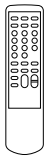
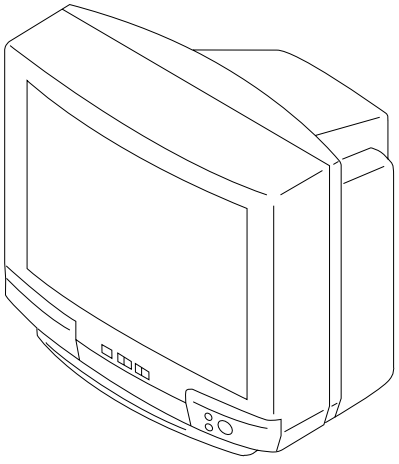
# SERVICE MANUAL BG-1S (D) CHASSIS

| MODEL | COMMANDER | DEST. | CHASSIS NO. |
|---|---|---|---|
| KV-G14K3 | RM-870 | Vietnam | SCC-K26L-A |
| KV-G21K3 | RM-870 | Vietnam | SCC-K26M-A |

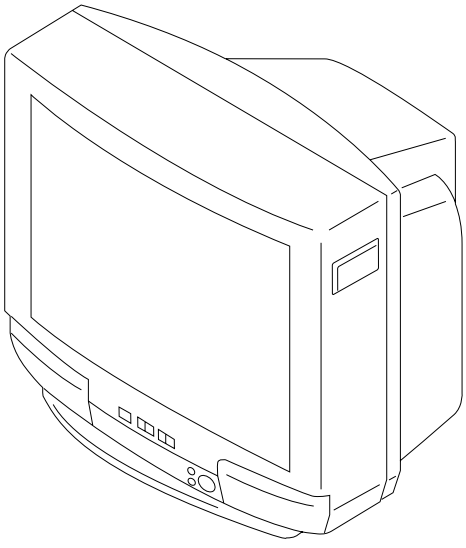
| MODEL | COMMANDER | DEST. | CHASSIS NO. |
|---|---|---|---|



RM-870



KV-G14K3



KV-G21K3

MICROFILM

TRINITRON® COLOR TV

SONY®

## SPECIFICATIONS

| | KV-G14K3 | KV-G21K3 | Note |
|---|---|---|---|
| **Power requirements** | 110-240 V AC, 50/60 Hz | | |
| **Power consumption (W)** | Indicated on the rear of the TV | | |
| **Television system** | B/G, D/K | | |
| **Color system** | PAL, PAL 60, NTSC4.43, NTSC3.58 (AV IN) | | |
| **Channel coverage** | | | |
| **B/G** | VHF: E2 to E12/UHF: E21 to E69/CATV: S01 to S03, S1 to S41 | | |
| **D/K** | VHF: C1 to C2, R1 to R/12/UHF: C13 to C57, R21 to R/60/ CATV: S01 to S03, S1 to S41, Z1 to Z39 | | |
| **Audio output (speaker)** | 3W | | |
| **Inputs** | Antenna: 75 ohms | | |
| | VIDEO IN jacks: phono jacks<br>Video: 1 Vp-p, 75 ohms<br>Audio: 500 mVrms, high impedance | | |
| **Outputs** | Earphone jack: mini jack | | |
| | MONITOR OUT jacks: phono jacks<br>Video: 1 Vp-p, 75 ohms<br>Audio: 500 mVrms | | |
| **Picture tube** | 14 in. | 21 in. | |
| **Tube size (cm)** | 37 | 54 | Measured diagonally |
| **Screen size (cm)** | 34 | 51 | Measured diagonally |
| **Dimensions (w/h/d, mm)** | 369 × 347 × 403 | 527 × 464 × 471 | |
| **Mass (kg)** | 11 | 22 | |

Design and specifications are subject to change without notice.

**CAUTION**

**SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.**

**SAFETY-RELATED COMPONENT WARNING!!**

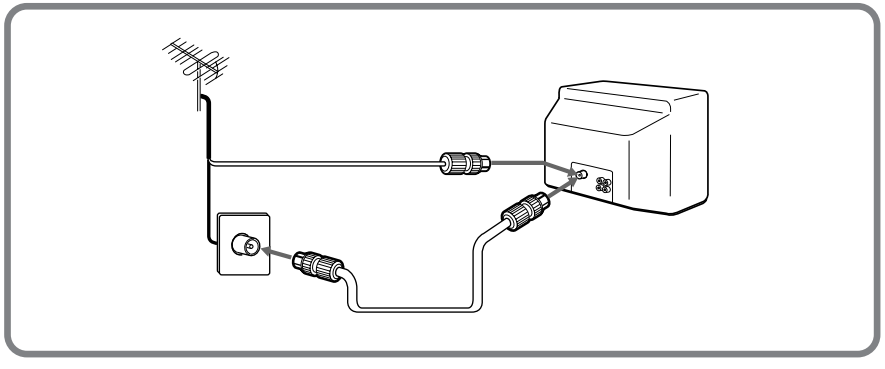
**COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

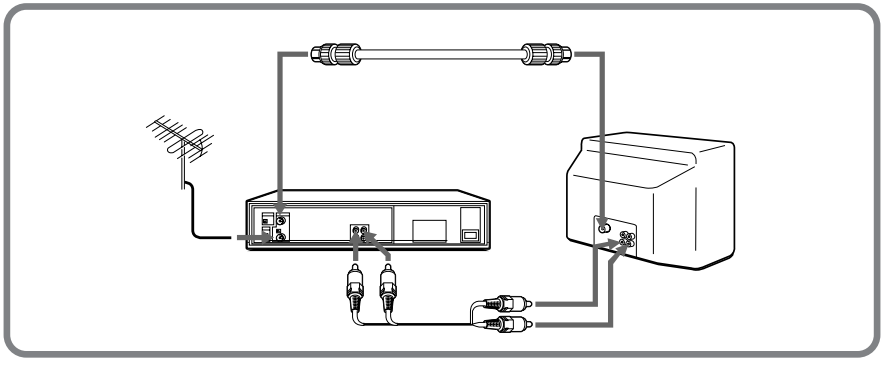
## TABLE OF CONTENTS

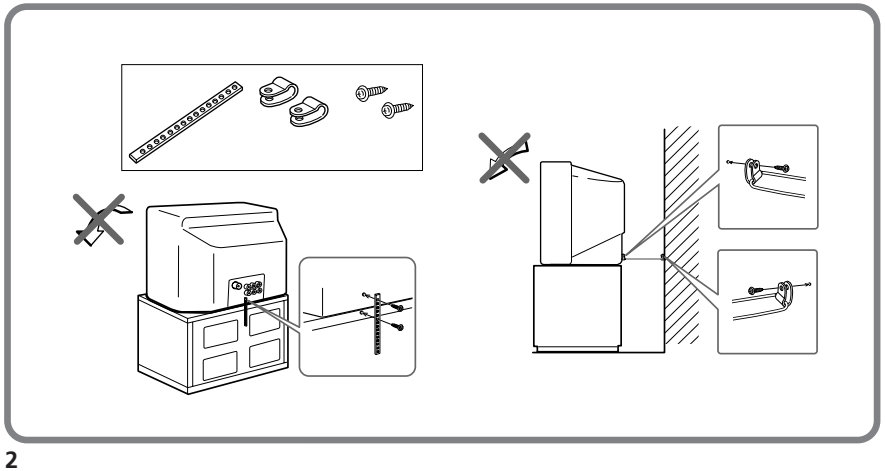

| Section | Title | Page |
|---|---|---|
| **1. GENERAL** | | 4 |
| **2. DISASSEMBLY** | | |
| 2-1. | Rear Cover Removal | 10 |
| 2-2. | A Board Removal | 10 |
| 2-3. | Service Position | 10 |
| 2-4. | Replacement of Parts | 10 |
| 2-5. | Demagnetization Coil Removal | 11 |
| 2-6. | Picture Tube Removal | 12 |
| **3. SET-UP ADJUSTMENTS** | | |
| 3-1. | Beam Landing | 13 |
| 3-2. | Convergence | 14 |
| 3-3. | Focus Adjustment | 16 |
| 3-4. | G2 (Screen) and White Balance Adjustments | 17 |
| **4. SELF DIAGNOSIS FUNCTION** | | 18 |
| **5. CIRCUIT ADJUSTMENTS** | | |
| 5-1. | Adjustments with Commander | 19 |
| 5-2. | Adjustment Method | 20 |
| 5-3. | A Board Adjustment after IC003 (Memory) Replacement | 23 |
| 5-4. | Picture Distortion Adjustment | 23 |
| **6. DIAGRAMS** | | |
| 6-1. | Block Diagrams | 25 |
| 6-2. | Circuit Boards Location | 27 |
| 6-3. | Schematic Diagrams and Printed Wiring Boards | |
| (1) | Schematic Diagram of A Board | 31 |
| (2) | Schematic Diagrams of A11 and C Boards | 35 |
| 6-4. | Semiconductors | 39 |
| **7. EXPLODED VIEWS** | | |
| 7-1. | Chassis (KV-G14K3) | 41 |
| 7-2. | Chassis (KV-G21K3) | 42 |
| **8. ELECTRICAL PARTS LIST** | | 43 |

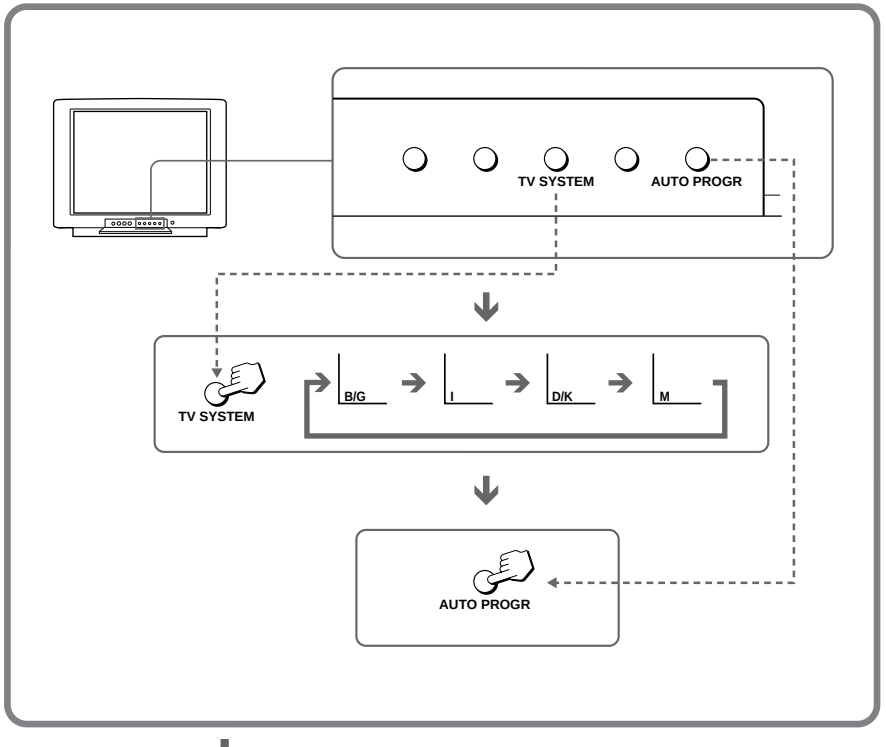
# SECTION 1
# GENERAL

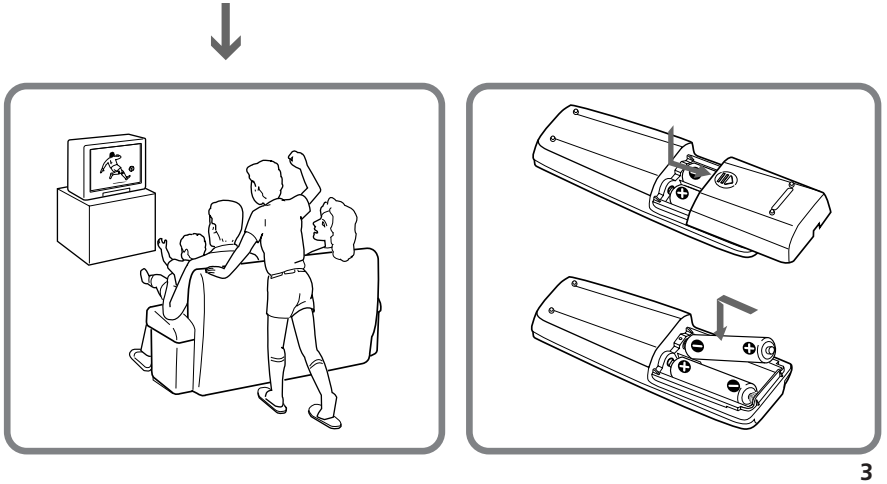
The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in the manual.







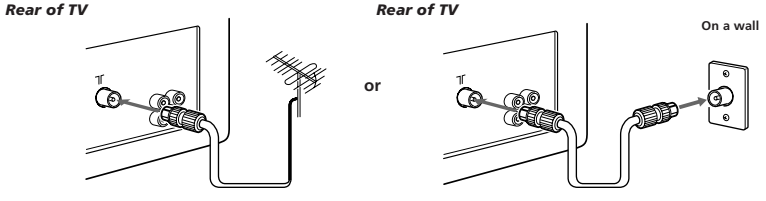


# Connections

## Connecting a VHF antenna or a combination VHF/UHF antenna — 75-ohm coaxial cable (round)

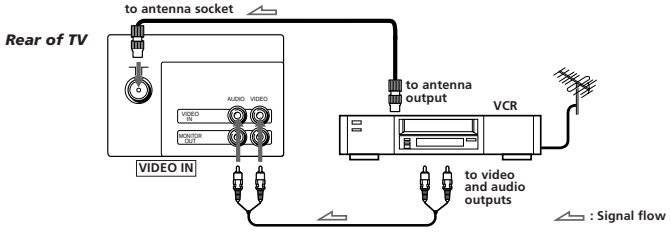
Attach an optional IEC antenna connector to the 75-ohm coaxial cable.
Plug the connector into the ⊤ (antenna) socket at the rear of the TV.

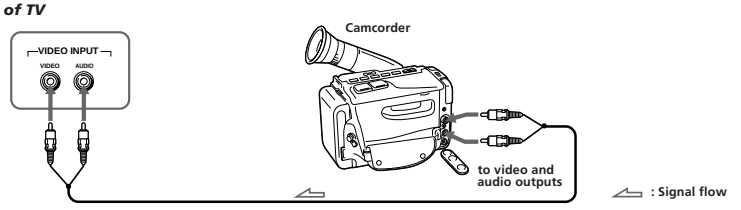



## Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, video game or stereo system.

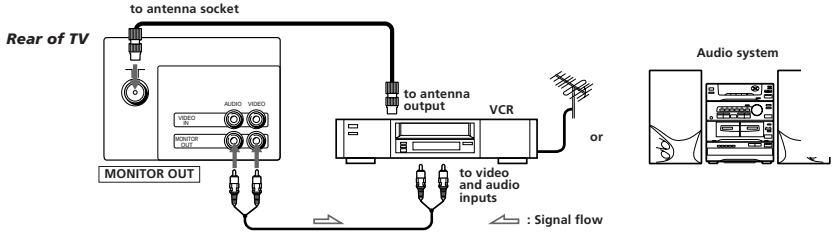
### Connecting video equipment using video input jacks




**When using the video input jacks**
Do not connect video equipment to the video input jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

### Connecting audio/video equipment using MONITOR OUT jacks




**When recording through the MONITOR OUT jacks**
If you change the channel or video input while recording with a VCR, the channel or video input you are recording also will be changed.

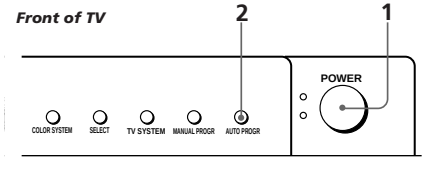
# Presetting channels

You can preset up to 100 TV channels in numerical sequence from program position 1 automatically.

To change the channel for a particular program position or to receive a channel with a weak signal, you can preset the channel manually. You can also disable program position.

You can preset TV channels using the buttons on the TV or the remote commander.

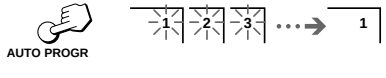
## Presetting channels automatically using the buttons on the TV




**1 Press POWER to turn on the TV.**

When the TV is turned on in standby mode, press POWER on the remote commander.

**2 Press AUTO PROGR.**




**To start presetting channels automatically from the specified program position**

1 Press MANUAL PROGR.
2 Press PROGR +/– to select the program position.
3 Press AUTO PROGR.

## Presetting channels manually using the buttons on the TV

**1 Press MANUAL PROGR.**

**2 Press PROGR +/– on the remote commander until the required program position appears on the screen.**

**3 Press VOLUME +/– until the required channel picture appears on the screen.**

**4 Press MANUAL PROGR.**

## Disabling program positions using the buttons on the TV

By disabling unused or unwanted program positions, you can skip those positions when you press PROGR +/– on the remote commander.

**1 Press PROGR +/– on the remote commander until the unused or unwanted program position appears on the screen.**

**2 Press MANUAL PROGR.**

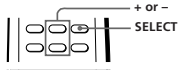
**3 Press PIC MODE on the remote commander.**

**4 Press MANUAL PROGR.**

**To cancel the skip setting**

Preset the channel manually or automatically again.

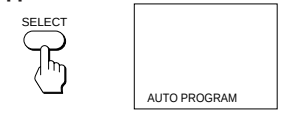
## Presetting channels automatically using the remote commander




**1 Press POWER to turn on the TV.**

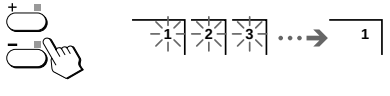
When the TV is turned on in standby mode, press POWER on the remote commander.

**2 Press SELECT until "AUTO PROGRAM" appears.**



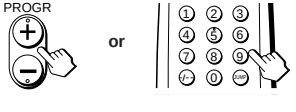

**3 Press + or – .**

**4 Press + or – .**




## Presetting channels manually using the remote commander

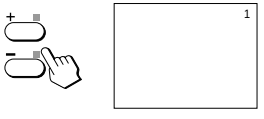
**1 Press PROGR +/– or a number button until the required program appears on the screen.**




**2 Press SELECT until "MANUAL PROGRAM" appears.**

**3 Press + or – .**

**4 Press + or – .**




The selected channel appears on the screen.

**5 Press SELECT to return to normal screen.**

## If you are not satisfied with the picture and sound quality

You may be able to further improve the picture and sound quality by using fine tuning as below:

**1 Select the program position you want to adjust.**

**2 Press SELECT until "MANUAL PROGRAM" appears on the screen.**

**3 Press + or – on the remote commander once.**

**4 Press DISP until "FINE" appears on the screen.**

**5 Press + or – continuously until you are satisfied with the picture and sound quality.**

**6 Press SELECT to return to normal screen.**

# Watching the TV

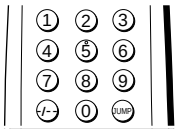
**1 Press POWER to turn on the TV.**

When the TV is turned on in standby mode, press POWER on the remote commander.

**2 Select the TV program you want to watch.**

**To select a program position directly**

Press the number button.




To select a two-digit program position, press "-/--" before pressing the number buttons.

For example: to select program position 25, press "-/--," and then "2" and "5."

**To scan through program positions**

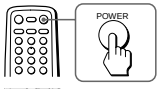
Press PROGR +/– until the program position you want appears.

**3 Press VOL +/– to adjust the volume.**

## Turning off the TV

**To turn off the TV temporarily**

Press POWER on the remote commander. The STANDBY indicator on the TV lights up.



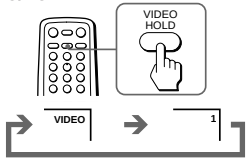

**To turn off the TV completely**

Press POWER on the TV.

If the power on the TV is turned off in standby mode, the STANDBY indicator on the TV may remain alight for a while.

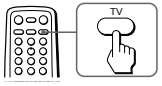
## Watching the video input

**Press VIDEO/HOLD.**



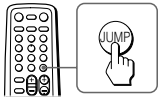

**To watch TV**

Press TV.



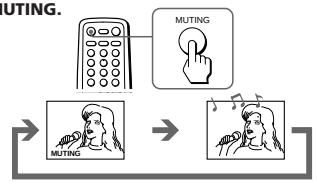

## Switching back quickly to the previous channel

**Press JUMP.**




## Muting the sound

**Press MUTING.**

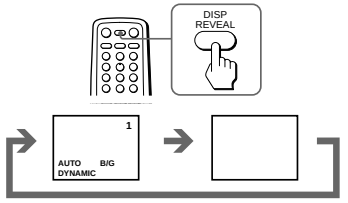





## Displaying on-screen information

**Press DISP/REVEAL.**

The program position, local system, and TV settings are displayed on the screen.

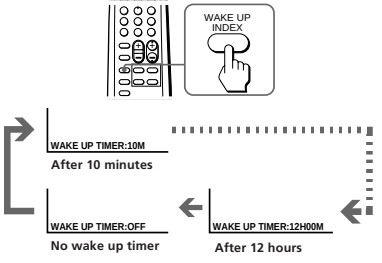



## Setting the Wake Up Timer

You can set the TV to automatically turn on as you have programmed.

**1 Press WAKE UP/INDEX repeatedly to set the timer.**

The on-screen display appears and the WAKE UP indicator on the TV lights up.




**2 If you want a particular TV program or video input to be displayed using the Wake Up Timer, select the TV program or video input.**

**3 Press POWER on the remote commander or set the Sleep Timer to turn off the TV in standby mode.**

To cancel the Wake Up Timer, press WAKE UP/INDEX repeatedly until "WAKE UP TIMER: OFF" appears, or turn off the main power of the TV.

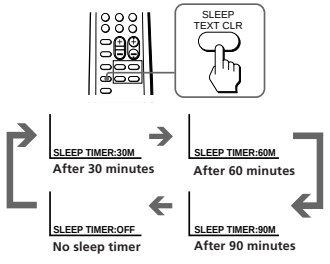
**Notes**

- The Wake Up Timer starts immediately after the on-screen display disappears.
- The last TV program position or video input just before the TV turns into standby mode will appear when the TV is turned on using the Wake Up Timer.
- If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into standby mode. If you want to continue watching the TV, press any button or control on the remote commander or the TV.

## Setting the Sleep Timer

You can set the TV to automatically turn off as you have programmed.

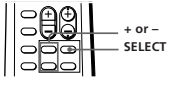
**Press SLEEP/TEXT CLR.**




To cancel the Sleep Timer, press SLEEP/TEXT CLR repeatedly until "SLEEP TIMER: OFF" appears, or turn off the TV.

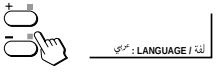
## Changing the on-screen display language

You can use buttons on the remote commander or the TV to change the on-screen display language.




**1 Press SELECT until the screen appears as follows:**

**2 Press + or – to select "عربي".**




**Note**

- You can also use SELECT and VOLUME +/– on the TV to select the on-screen display language.





KV-G14K3/G21K3
RM-870

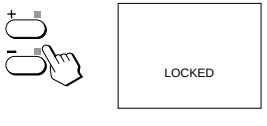
# Using the Child Lock feature

You can prevent a child from watching certain program positions by using the buttons on the remote commander.

**1 Select the TV program you want to lock.**

**2 Press SELECT until "CHILD LOCK" appears on the screen.**

**3 Press + or – until "LOCKED" appears on the screen.**



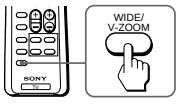

**Notes**

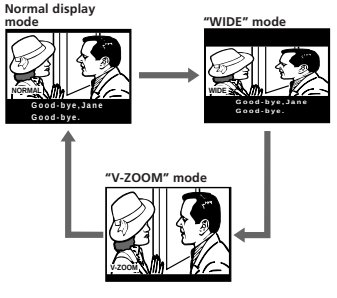
- To unlock the program position, repeat steps 1 to 3 as above until "LOCKED" disappears from the screen.
- To prevent your child from unlocking the program position, keep the remote commander away from your child.

# Watching the picture in wide mode

You can adjust the display mode accordingly to fit the programs to your TV screen size.

Press WIDE/V-ZOOM repeatedly until the wide display mode you want appears on the screen.

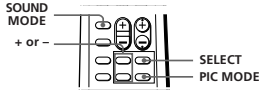



# Adjusting the picture

**Note on the SOUND MODE button**

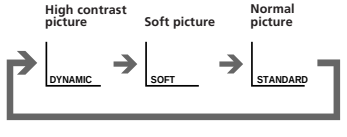
- The sound mode feature is unavailable for your TV. Thus, the SOUND MODE button on the remote commander is not used for your TV.




## Selecting the picture mode

**Press PIC MODE until the mode you want appears.**

Each time you press PIC MODE, the screen changes as follows:



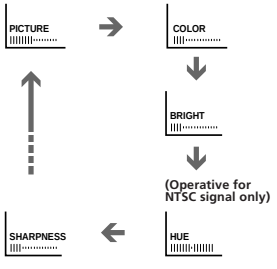

**Note**

- If you change the picture mode after the following adjustments, the adjustment changes in accordance with the picture mode.

## Adjusting the picture setting

**1 Press SELECT until the item you want to adjust appears.**

Each time you press SELECT, the screen changes as follows:



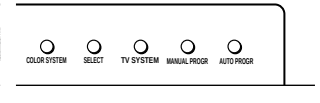

**2 Press + or – to adjust the item.**

**3 To adjust other items, repeat steps 1 and 2.**

**Note**

- You can also use SELECT and VOLUME +/– on the TV to adjust the picture setting.

***Front of TV***




**If the picture color is abnormal when receiving programs through the ⅂ (antenna) terminal**
Change the "COLOR SYSTEM" setting or adjust the "COLOR" level in the on-screen display until the color becomes normal.

**If the picture color is abnormal when receiving programs through the video input jack**
Change the "COLOR SYSTEM" setting or adjust the "COLOR" level in the on-screen display until the color becomes normal.

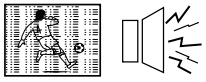
**Note**

- Normally set "COLOR SYSTEM" to "AUTO".

# Troubleshooting

If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.
If the problem persists, contact your nearest authorized service center or dealer.

**Snowy picture**
**Noisy sound**



➡Check the antenna.
➡Check the antenna connection on the TV and on the wall.

**Dotted lines or stripes**

➡This may be caused by local interference (e.g. cars, neon signs and hair dryers). Adjust the antenna for minimum interference.

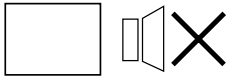
**Double images or "ghosts"**

➡This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

**No color**

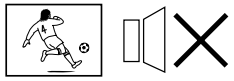
➡Adjust the COLOR level in the on-screen display.
➡Check the COLOR SYSTEM setting.

**No picture**
**No sound**



➡Press POWER.
➡Check the antenna connection.
➡Check the VCR connections.
➡Check the power cord connection.
➡Check the standby mode.

**Good picture**
**No sound**



➡Press VOLUME +.
➡Press MUTING.

**TV cabinet creaks**

➡Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

**Note on the remote commander**

- The supplied remote commander is used on several models of the TV. If you do not find instructions for some controls that are on the remote commander, that means your TV does not employ the features of those controls, e.g. TEXT.

**Note on the TV SYSTEM button**

- The TV SYSTEM button is not used on your TV.

**Notes**

- When you switch on the TV, you may hear the "boon" sound that is caused by the demagnetization of the TV. This does not indicate a malfunction.
- The picture color may become abnormal if you change the direction of your TV. To obtain the normal picture color, press POWER on the TV to switch off the TV for five minutes and then switch it on again.

**WARNING**

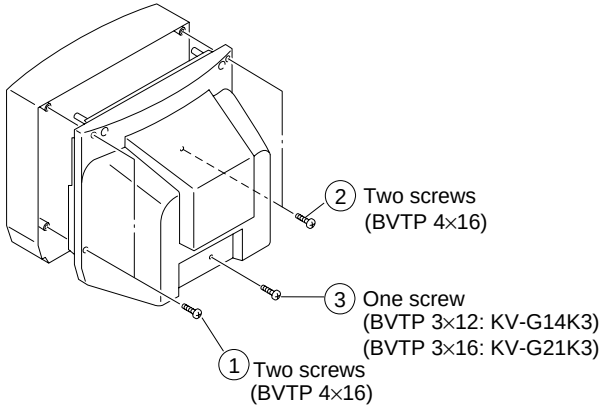
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.



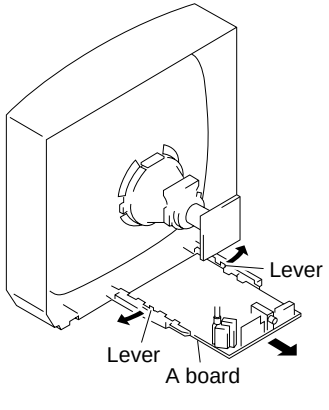
KV-G14K3/G21K3
RM-870

# SECTION 2
# DISASSEMBLY

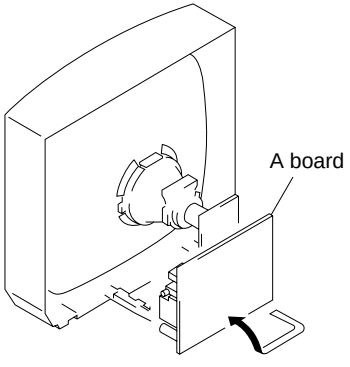
## 2-1. REAR COVER REMOVAL




## 2-2. A BOARD REMOVAL




## 2-3. SERVICE POSITION

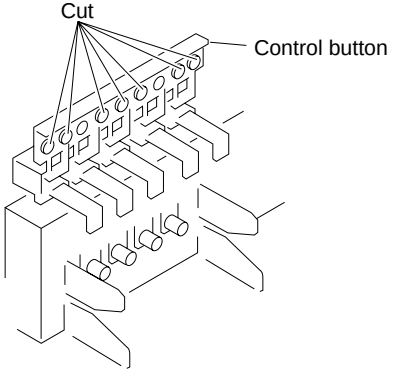


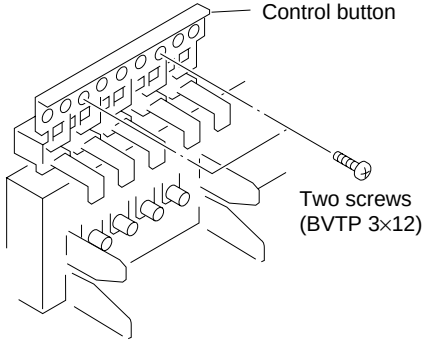

## 2-4. REPLACEMENT OF PARTS

For replacement of the Control Button, (Multi Button) Light Guide and Power Button, cut the welded portions from them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

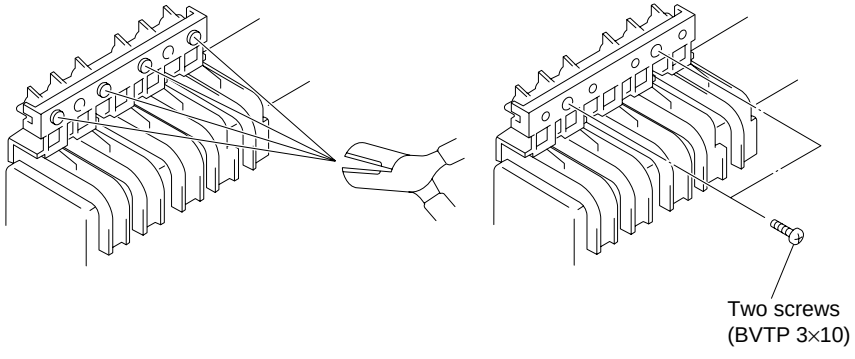
### 2-4-1. REPLACEMENT OF CONTROL BUTTON/MULTI BUTTON

(1) For KV-G14K3



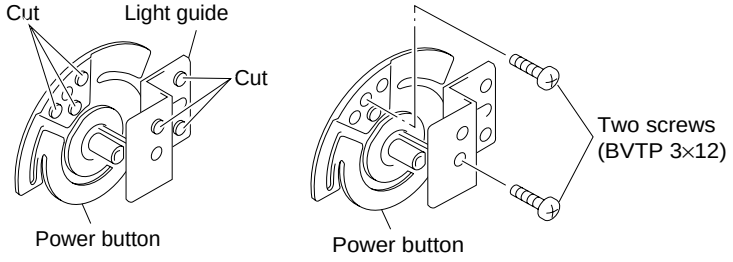



(2) For KV-G21K3

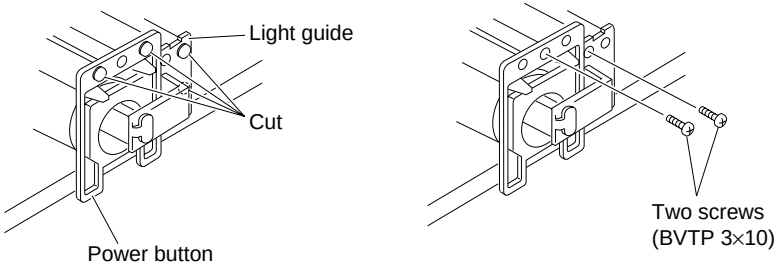



### 2-4-2. REPLACEMENT OF LIGHT GUIDE, POWER BUTTON

(1) For KV-G14K3

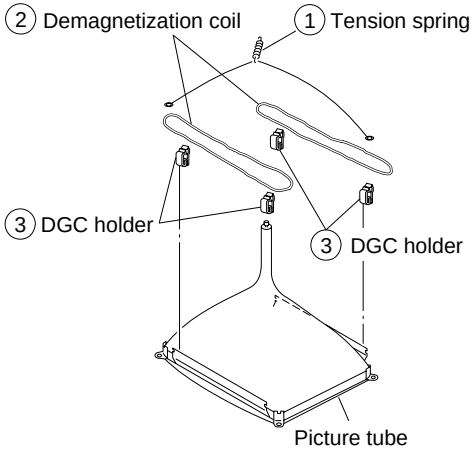



(2) For KV-G21K3

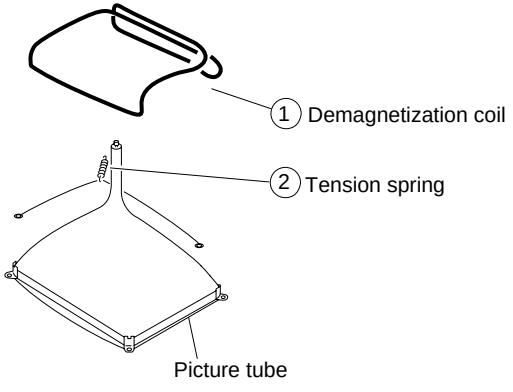



### 2-5. DEMAGNETIZATION COIL REMOVAL

(1) For KV-G14K3

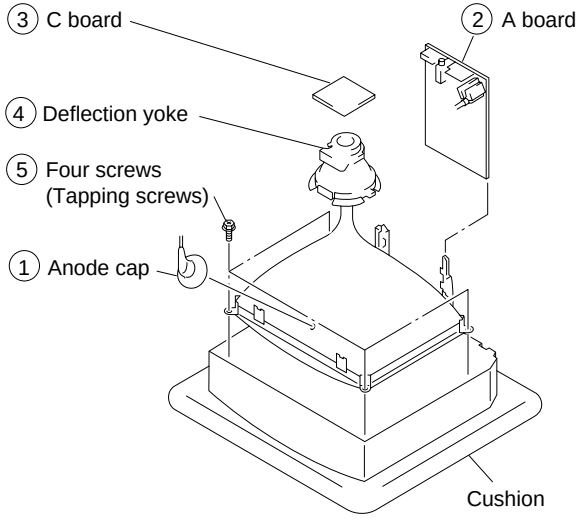



(2) For KV-G21K3

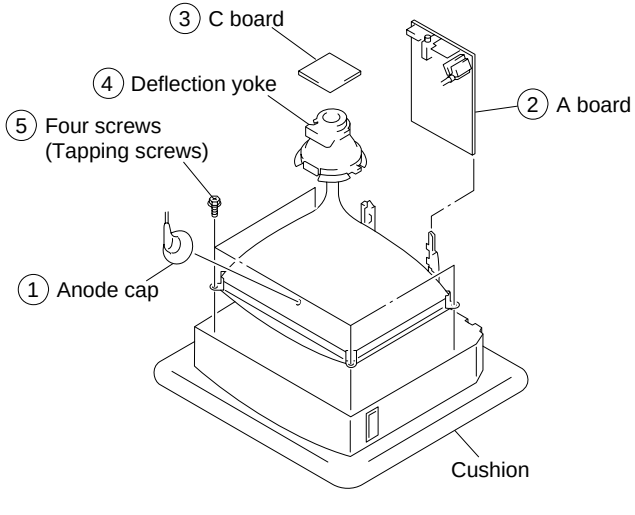


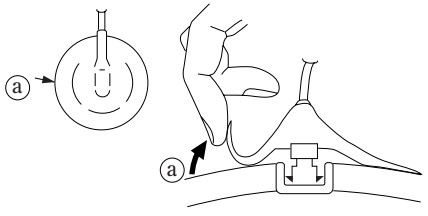
## 2-6. PICTURE TUBE REMOVAL

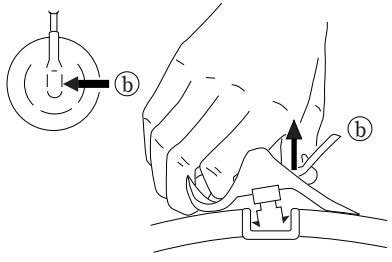
(1) For KV-G14K3




(2) For KV-G21K3

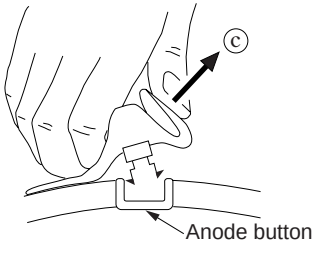



① **Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.**

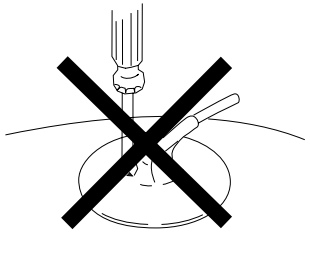
② **Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.**

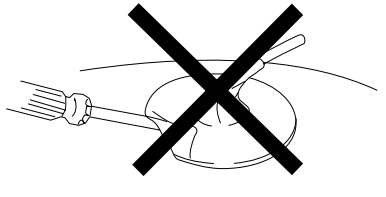



③ **When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ.**

- **HOW TO HANDLE AN ANODE-CAP**

① **Do not damage the surface of anode-caps with sharp shaped objects.**
② **Do not press the rubber too hard so as not to damage the inside of anode-caps. A metal fitting called the shatter-hook terminal is built into the rubber.**
③ **Do not turn the foot of rubber over too hard. The shatter-hook terminal will stick out or damage the rubber.**





# SECTION 3
# SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:
PICTURE control ..... normal
BRIGHTNESS control ..... normal

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

**Note :** Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

**Preparations :**

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

## 3-1. BEAM LANDING

1. Input a white signal with the pattern generator.
   Contrast } normal
   Brightness }
2. Set the pattern generator raster signal to a green raster.
3. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.
   (See Figures 3-1 through 3-3.)
4. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 3-1.)
5. Switch the raster signal to blue, then to red and verify the condition.
6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
7. If the beam does not land correctly in all the corners, use a magnet to adjust it.
   (See Figure 3-4.)

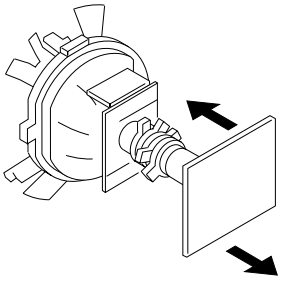


**Fig. 3-1**

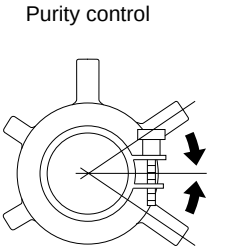



**Fig. 3-2**

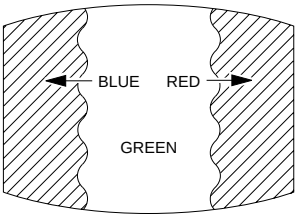



**Fig. 3-3**

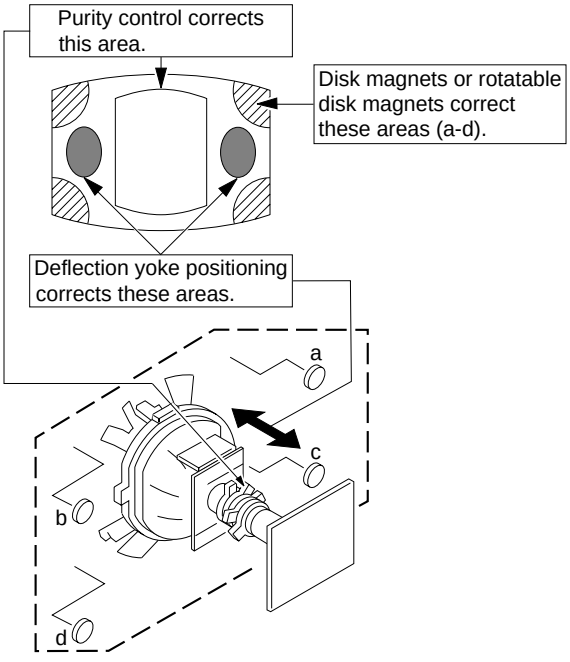


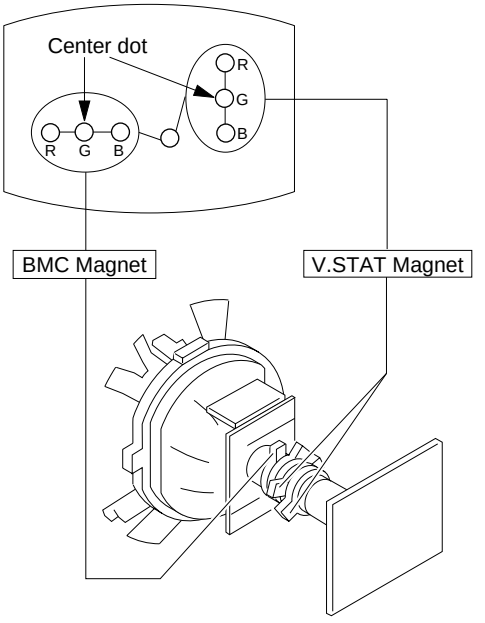

**Fig. 3-4**

## 3-2. CONVERGENCE

**Preparations :**

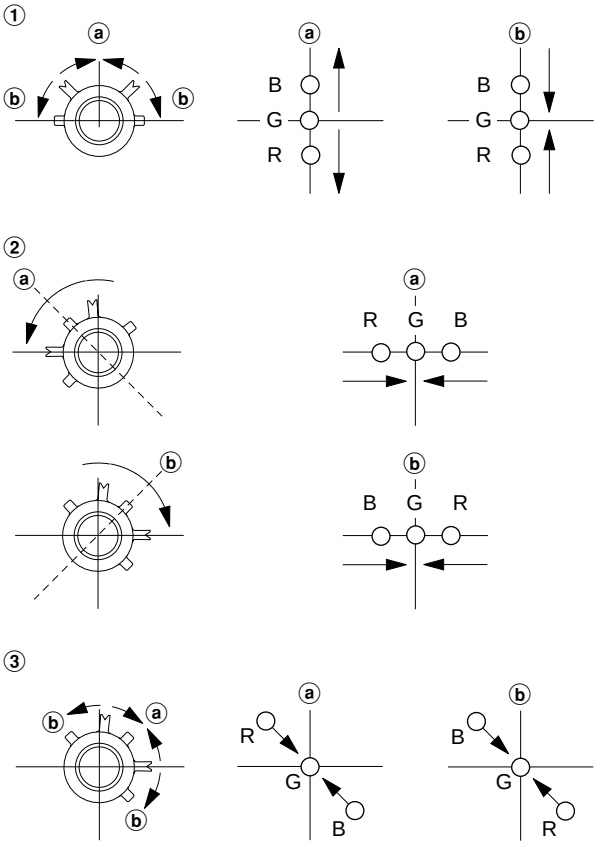
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

**(1) Horizontal and Vertical Static Convergence**

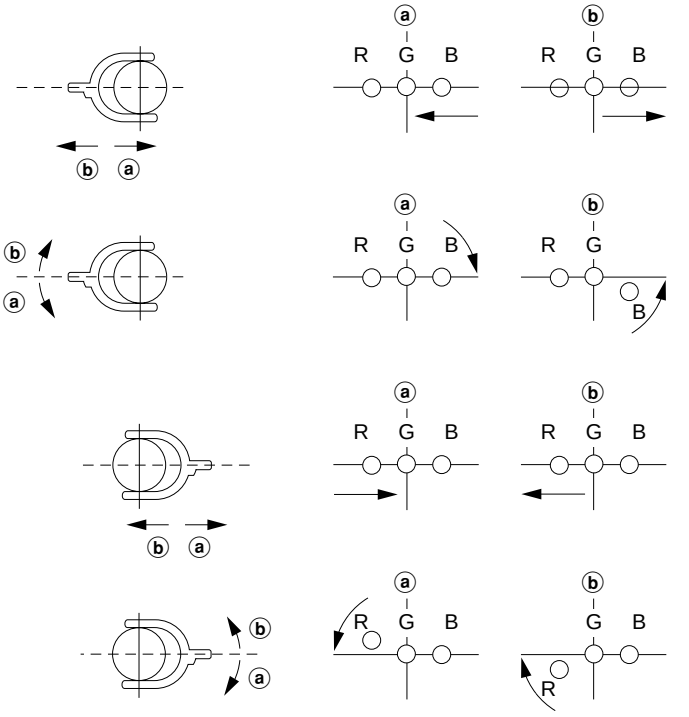



1. (Moving horizontally), adjust the H.STAT magnet so that the red, green and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue points are on top of each other at the center of the screen.
3. If the V.STAT Magnet cannot bring the red, green and blue points together at the center of the screen, adjust the horizontal convergence with the BMC Magnet and the V. STAT magnet in the manner given below.
   (In this case, the BMC Magnet and the V. STAT magnet influence each other.)
4. If the V.STAT magnet is moved in the direction of the ⓐ and ⓑ arrows, the red, green and blue points move as shown below.

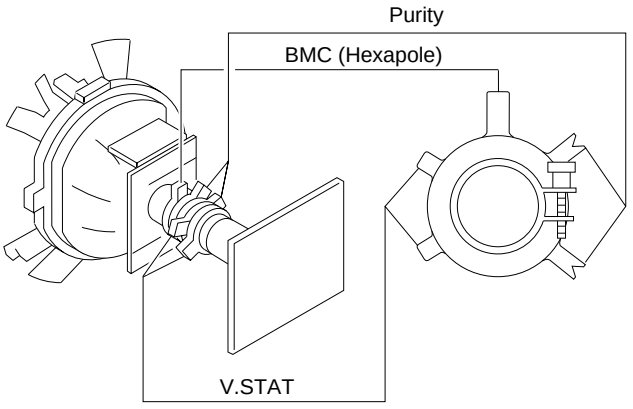
- Operation of V.STAT Magnet.




- Operation of BMC (Hexapole) Magnet.



- The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
  Use the V. STAT magnet to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

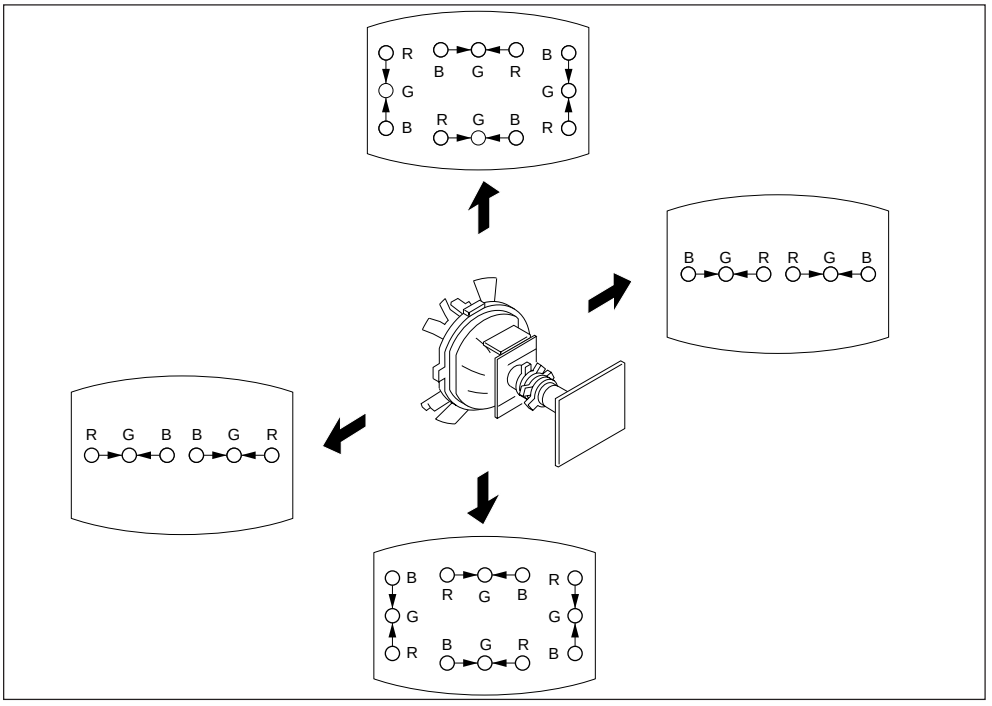



**(2) Dynamic Convergence Adjustment**

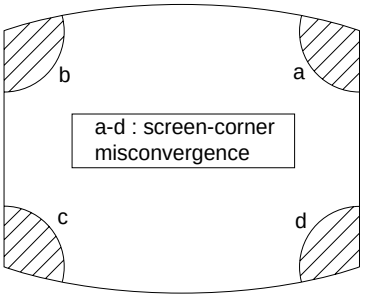
**Preparations :**

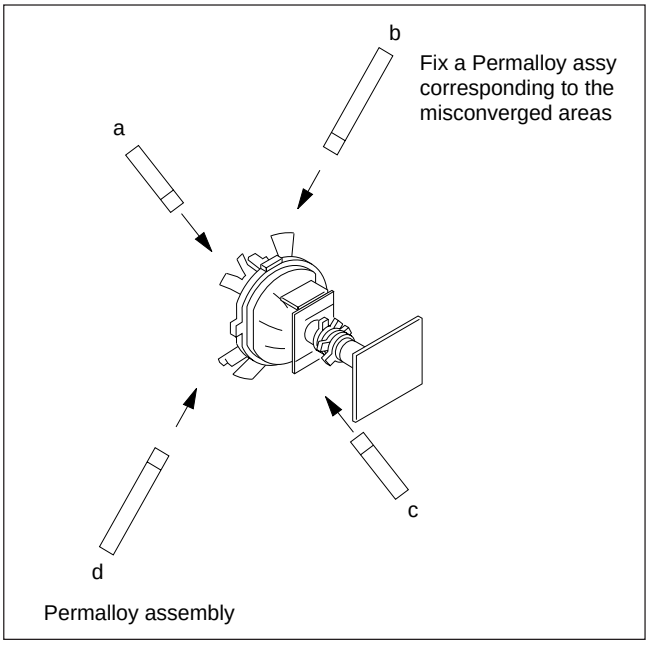
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.

1. Slightly loosen the deflection yoke screws.
2. Remove the deflection yoke spacer.
3. Move the deflection yoke as shown in the figure below and optimize the convergence.
4. Tighten the deflection yoke screws.
5. Install the deflection yoke spacer.



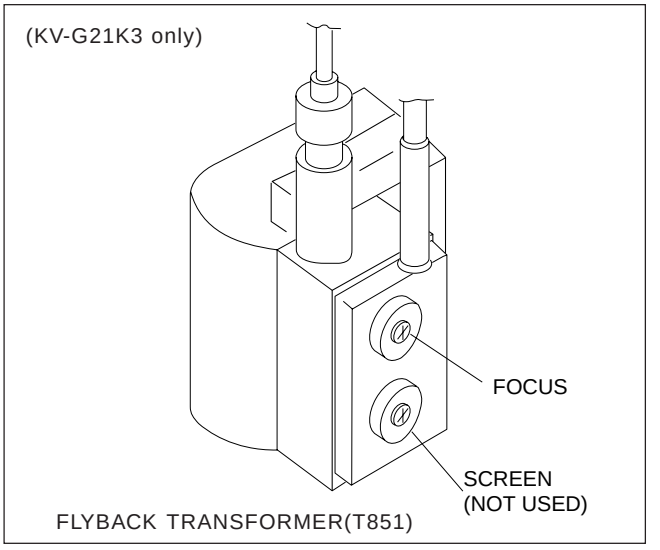
**(3) Screen-corner Convergence**




## 3-3. FOCUS ADJUSTMENT

Adjust FOCUS using RV703 on the C Board (KV-G14K3 only) or FOCUS control on the flyback transformer (KV-G21K3 only) for the best focus.




**Note:** Screen VR is not used.

### a. AN ITEM OF ADJUSTMENT

| Item number | Adjustment item | Initial DATA | Note |
|---|---|---|---|
| 09 | RDR | 25 | WHITE POINT R |
| 0A | GDR | 20 | WHITE POINT G |
| 0B | BDR | 20 | WHITE POINT B |

### b. METHOD OF CANCELLATION FROM SERVICE MODE

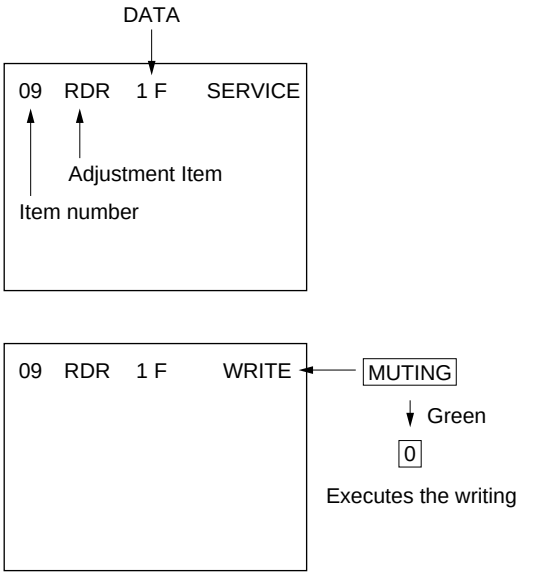
Set the standby condition (Press [POWER] button on the commander) and then press [POWER] button again, hereupon it becomes TV mode.

### c. METHOD OF WRITE FOR MEMORY

1) Set to Service Mode.
2) Press [1] (UP) and [4] (DOWN), select an item of adjustments.
3) Press [MUTING] button indicate WRITE (Green) on screen.
4) Press [0] button to write into memory.

### d. MEMORY WRITE CONFIRMATION METHOD

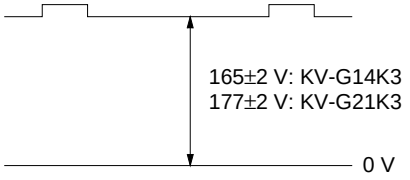
1) After adjustment, pull out the plug from AC outlet, then, plug in AC outlet again.
2) Turn the power switch ON and set to Service Mode.
3) Call the adjusted items again to confirm they were adjusted.



## 3-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

### 1. G2 (SCREEN) ADJUSTMENT (RV701)

1) Set the PICTURE and BRIGHTNESS to normal.
2) Put to VIDEO input mode without signals.
3) Connect R, G, and B of the C board cathode to the oscilloscope.
4) Adjust G2 (RV701) volume to the value below.




### 2. WHITE BALANCE ADJUSTMENTS

1) Set to Service Mode.
2) Input an entire white signal.
3) Set the PICTURE to maximum.
4) Select RDR(09) with [1] and [4] , and then set the level to 25 with [3] and [6] .
5) Select GDR(0A) and BDR(0B) with [1] and [4] and adjust the level with [3] and [6] for the best white balance.
6) Write into the memory by pressing [MUTING] → then [0] .

# SECTION 4
# SELF DIAGNOSIS FUNCTION

If no acknowledgement is returned from a device which is turned "ON", the device has a problem.
In this case, one of the LED's responding to the problem device will flicker a defined number of times.

Flickering is operated by lighting the LED's for 60ss each time.

The flickering frequency responding to each failed device is shown below.

| **Device** | NONVOLA-TILE MEMORY | — | Y/C JUNGLE | — | — | AUDIO PROCESSOR (TA8776N) |
|---|---|---|---|---|---|---|
| **Flickering Frequency** | 1 | — | 3 | — | — | 6 |

All the devices are checked one after another from the left of the table.
If an error is found, the responding LED will start flickering.
So, if more than 1 device have failed, only the one on the left side will flicker.

# SECTION 5
# CIRCUIT ADJUSTMENTS

## 5-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-870 that comes with this unit.

**Entering service mode**

With the unit on standby

↓

[DISPLAY]

↓

[5]

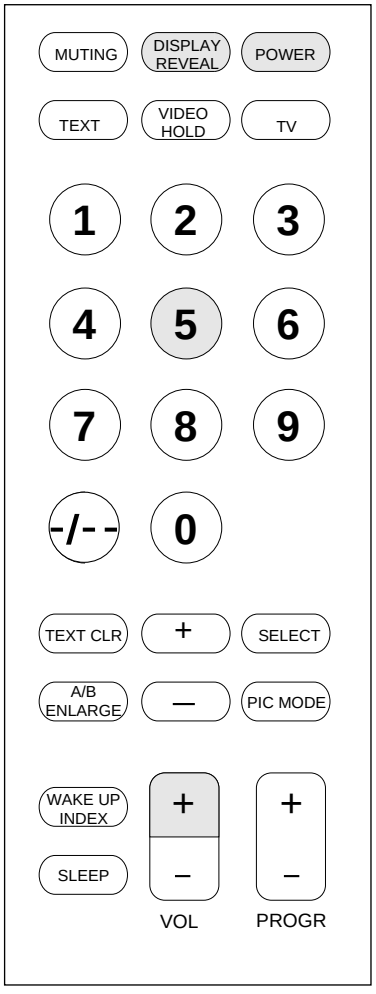
↓

[VOL (+)]

↓

[POWER]

The operation sequence puts the unit into service mode.

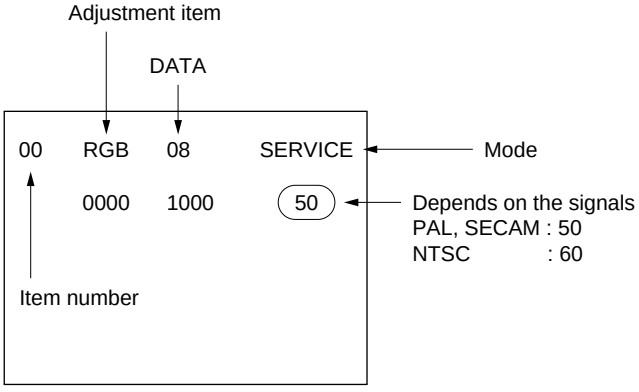



**RM-870**

| | |
|---|---|
| [1], [4] | Raise/lower the service item number |
| [3], [6] | Raise/lower the data |
| [MUTING] | Writes |
| [0] | Executes the writing |

| | |
|---|---|
| [7], [0] | All data becomes the values in memory |
| [8], [0] | All user control goes to the standard state |
| [5], [0] | Service data initialization (Be sure not to use usually). |
| [2], [0] | Write 50Hz adjustment data to 60Hz, or viceversa. |

The screen display is :



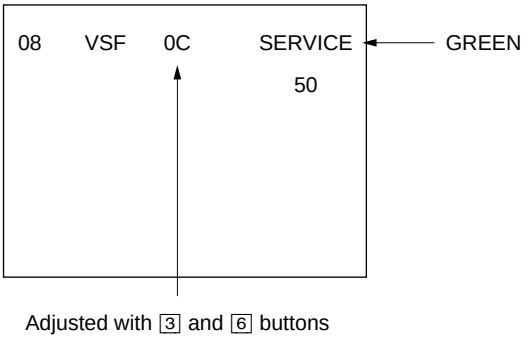

| | |
|---|---|
| [1], [4] | Select the adjustment item. |
| ↓ | |
| [3], [6] | Raise/lower the data. |
| ↓ | |
| [MUTING] | Writes |
| ↓ | |
| [0] | Executes the writing. |

## 5-2. ADJUSTMENT METHOD

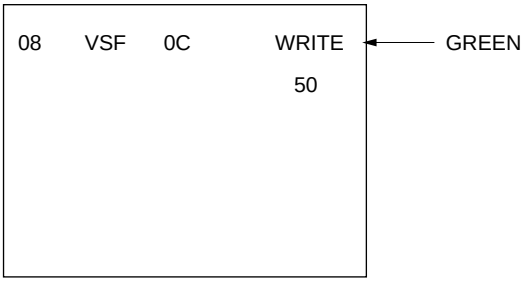
Item Number 08

This explanation uses V-SHIFT as an example.

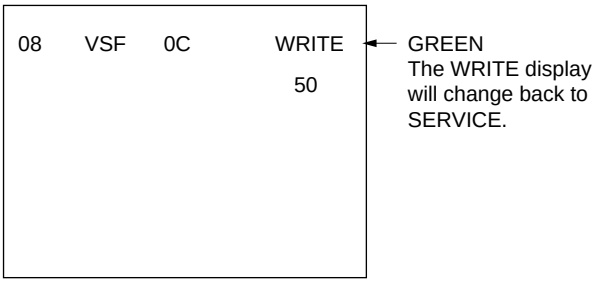
1. Select 08 V-SHIFT with the [1] and [4] buttons.
2. Raise/lower the data with the [3] and [6] buttons.
3. Select the optimum state. (The standard is 0F for PAL reception.)
4. Write with the [MUTING] button.
5. Execute the writing with the [0] button. (The WRITE display will change back to SERVICE.)




Adjusted with [3] and [6] buttons




Written with [MUTING]




Write executed with [0]

Use the same method for Items Number 00-2D. Use [1] and [4] to select the adjustment item, use [3] and [6] to adjust, write with [MUTING], then execute the write with [0].

### Adjustment Item Table

| Item number | Adjustment Item | Data range | Initial data | Standard data | Note | Device |
|---|---|---|---|---|---|---|
| 00 | HSF | 00–3F | 24 | 50: 60: | H SHIFT | TDA8375 |
| 01 | HSZ | 00–3F | 23 | 50: 60: | H SIZE | TDA8375 |
| 02 | PAP | 00–3F | 21 | 50: 60: | PIN AMPLITUDE | TDA8375 |
| 03 | CNP | 00–3F | 29 | 50: 60: | CORNER PIN | TDA8375 |
| 04 | TLT | 00–3F | 20 | 50: 60: | TILT | TDA8375 |
| 05 | VSL | 00–3F | 20 | 50: 60: | V SLOPE | TDA8375 |
| 06 | VAP | 00–3F | 1D | 50: 60: | V AMPLITUDE | TDA8375 |
| 07 | SCR | 00–3F | 20 | 50: 60: | S CORRECTION | TDA8375 |
| 08 | VSF | 00–3F | 20 | 50: 60: | V SHIFT | TDA8375 |
| 09 | RDR | 00–3F | 25 | | WHITE POINT R | TDA8375 |
| 0A | GDR | 00–3F | 20 | | WHITE POINT G | TDA8375 |
| 0B | BDR | 00–3F | 20 | | WHITE POINT B | TDA8375 |
| 0C | FO | 00–03 | 00 | TV: 00 VIDEO: 00 TEXT: 01 | PHI-1 TIME CONSTANT | TDA8375 |
| 0D | AGC | 00–3F | 30 | TV: 30 VIDEO: 30 TEXT: 30 | AGC TAKE OVER | TDA8375 |
| 0E | VSW | 00–01 | 00 | TV: 00 VIDEO: 01 TEXT: 00 | VIDEO MUTE | TDA8375 |
| 0F | FOR | 00–03 | 00 | BG/DK : 03 01 | FORCED FIELD FREQ. | TDA8375 |
| 10 | DL | 00–01 | 00 | | INTERLACE | TDA8375 |
| 11 | POC | 00–01 | 00 | | POC FIX | TDA8375 |
| 12 | VID | 00–01 | 00 | 50: 60: | VIDEO IDENT MODE | TDA8375 |
| 13 | HCO | 00–01 | 00 | 50: 60: | EHT TRACKING MODE | TDA8375 |
| 14 | EVG | 00–01 | 00 | 50: 60: | ENABLE V GUARD | TDA8375 |
| 15 | SBL | 00–01 | 00 | 50: 60: | SERVICE BLANKING | TDA8375 |
| 16 | PRD | 00–01 | 00 | 50: 60: | OVER-VOLTAGE INPUT | TDA8375 |
| 17 | COR | 00–01 | 00 | TV: VIDEO: TEXT: | NOISE CORING PEAK | TDA8375 |
| 18 | PMX | 00–3F | 2D | 2B | PICTURE MAX DATA | TDA8375 |
| 19 | PMI | 00–3F | 00 | 04 | PICTURE MIN DATA | TDA8375 |
| 1A | SBR | 00–7F | 4B | | SUB-BRIGHTNESS | TDA8375 |
| 1B | SHU | 00–0F | 07 | | SUB-HUE | TDA8375 |
| 1C | SSH | 00–03 | 01 | TV: 01 VIDEO: 02 | SUB-SHARPNESS | TDA8375 |
| 1D | SC1 | 00–3F | 1F | 50: 26 60: 29 | SUB-COLOR LOWER | TDA8375 |
| 1E | SC2 | 00–3F | 0D | 50: 0C 60: 0D | SUB-COLOR HIGHER | TDA8375 |
| 1F | AIP | 00–7F | 3F | | ADJUSTMENT IF-PLL | TDA8375 |
| 20 | VZM | 00–3F | 19 | | VERTICAL Z00M | TDA8375 |
| 21 | TXP | 00–0F | 09 | 07 | Text Picture cont. | SAA5281 |
| 22 | MXP | 00–0F | 0D | 0A | Text Mix mode Pic. | SAA5281 |
| 23 | BKP | 00–3F | 00 | | Blk off Picture | CXP85200 |
| 24 | ODL | 00–FF | 10 | | Power ON Delay | CXP85200 |
| 25 | OFR | 00–0F | 00 | | Remo. con. RGB OUT | CXP85200 |
| 26 | OFM | 00–0F | 00 | | Main power RGB OUT | CXP85200 |
| 27 | OSH | 00–3F | 0A | | OSD Position H | CXP85200 |
| 28 | MUT | 00–01 | 01 | 00 | No Sync. Mute | CXP85200 |
| 29 | ABL | 00–01 | 01 | 00 | Bright ABL | CXP85200 |
| 2A | DTV | 00–01 | 00 | | Disable TV Key | CXP85200 |
| 2B | SCM | 00–01 | 01 | 00 | SECAM trap active | CXP85200 |
| 2C | OP0 | 00–FF | 40 | 20 | Option 0 | CXP85200 |
| 2D | OP1 | 00–FF | 07 | 10 | Option 1 | CXP85200 |

※ 50 ··· 50Hz data, 60 ··· 60Hz data
※ Standard data listed on the Adjustment Item Table are reference values, therefore differ per model.

**NOTE**

- Standard Data: Those are the standard data values written on the microprocessor. Therefore, the data values of the modes are stored respectively in the memory.
  In case of a device replacement, adjustment by rewriting the data value is necessary for some items.
- 50 ..... 50 Hz data
- 60 ..... 60 Hz data
- Standard data listed on the adjustment item table are reference values, therefore it is different for every model.

**ITEM INFORMATION**

- 10. DL: TV/MIX Mode 0=Interlace 1=interlace, TEXT Mode 0=interlace 1=Interlace
- 42. ABL: Bright ABL ON/OFF ON=1 OFF=0
- 48. OP0 • 49. OP1
  Input data are different according to models.
  AV INPUT : 00 → NO MODEL, 01 → MONO, CXA1315, 10/11 → STEREO, TDA8424
  TV System : 00 → Multi model, 01 → B/G, 10 → D/K.I, 11 → B/G D/K
  NTSC, SECAM, Chin
  Shrp : Dynamic Mode @ 1 → Sharpness 50%, 0 → Sharpness 70%.
  VM Operation : 0 → OFF, 1 → ON

### No. 2C OP0 * Input data are different according to models

| Item | – | AV Input | | – | – | – | – | Saudi |
|---|---|---|---|---|---|---|---|---|
| KV-G14K3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| KV-G21K3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

### No. 2D OP1

| Item | – | – | – | TV System | | NTSC | SECAM | Chin |
|---|---|---|---|---|---|---|---|---|
| KV-G14K3 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| KV-G21K3 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |

## 5-3. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

1. Enter to Service Mode.

2. Press commander buttons [5] and [0] (Data Initialize), and [2] and [0] (Data Copy) to initialize the data.

3. Call each item number, and check if the respective screen shows the normal picture.
   In case some items are not well-adjusted, give them fine adjustment.
   Write the data for each item number ([MUTING] + [0]).

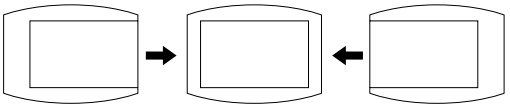
4. Select item numbers “2C” (OP0) and “2D” (OP1) and respectively set the bit per model with command buttons [3] and [6].

5. Press commander buttons [8] and [0] (Test Normal) to return to the data that was set on the shipment from the factory.
   (= Cancel Service Mode.)

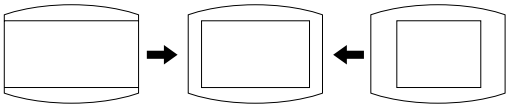
## 5-4. PICTURE DISTORTION ADJUSTMENT

Item Number 00 – 08

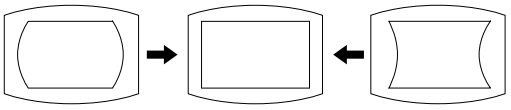
00 HSF (H SHIFT)



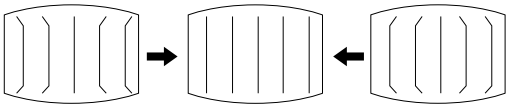
01 HSZ (H SIZE)



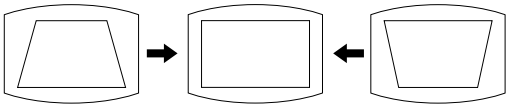
02 PAP (PIN AMPLITUDE)



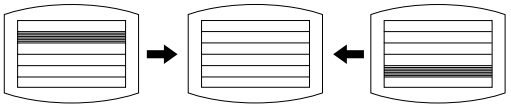
03 CNP (CORNER PIN)



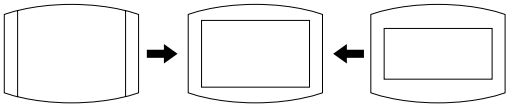
04 TLT (TILT)



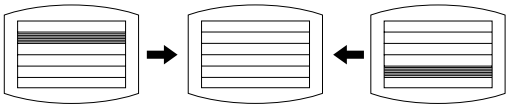
05 VSL (V SLOPE)



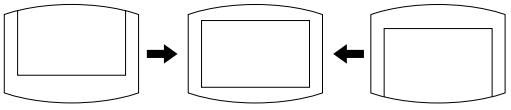
06 VAP (V AMPLITUDE)



07 SCR (S CORRECTION)



08 VSF (V SHIFT)



## MEMO

KV-G14K3/G21K3
RM-870

# SECTION 7
# EXPLODED VIEW

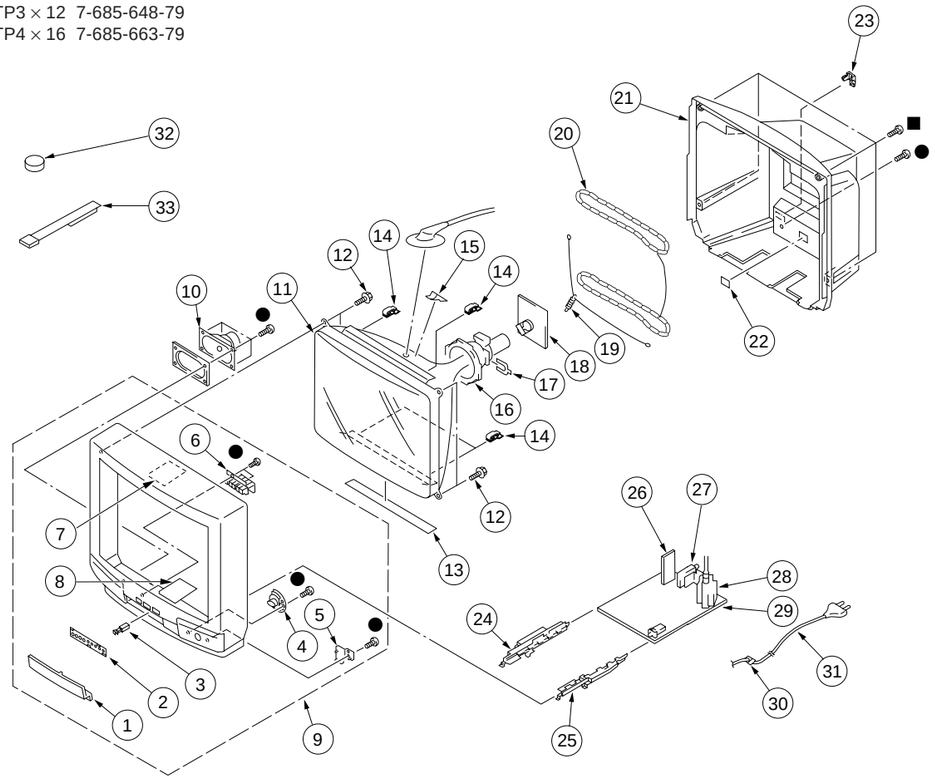
**NOTE:**

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 7-1. CHASSIS (KV-G14K3)

● : BVTP3 × 12 7-685-648-79
■ : BVTP4 × 16 7-685-663-79

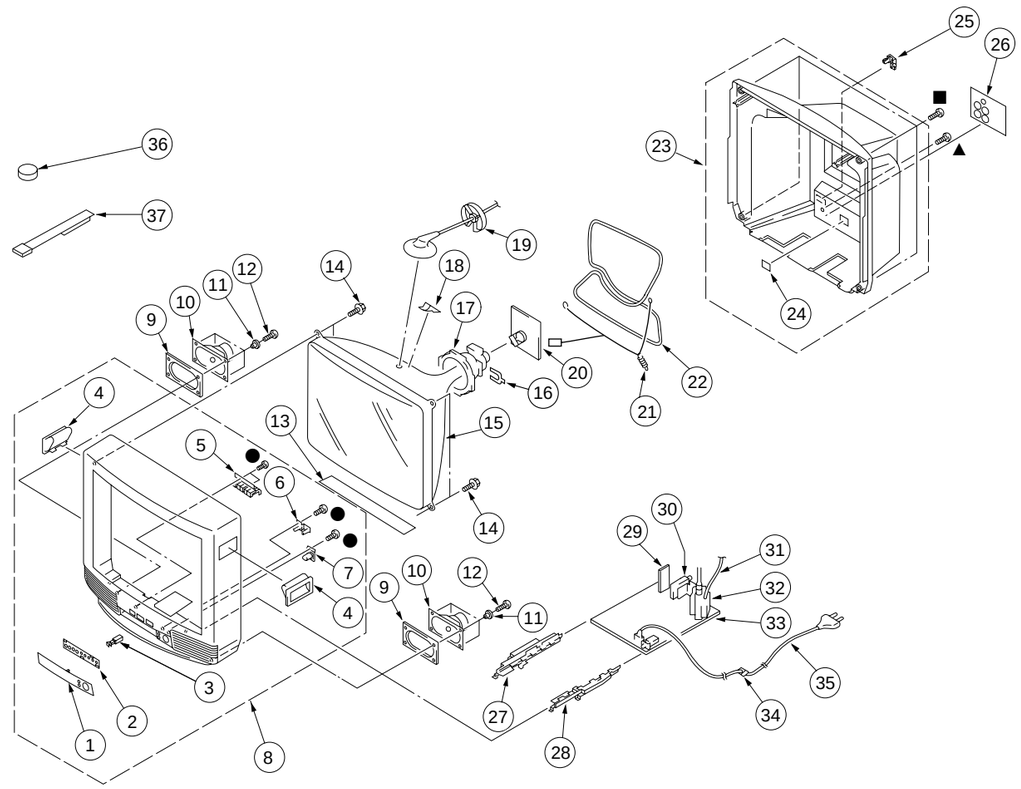



| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| 1 | | 4-061-660-01 | DOOR, CONTROL | |
| 2 | | 4-049-715-01 | LABEL, CONTROL | |
| 3 | | 4-627-936-01 | LOCK, MINIATURE SIDE | |
| 4 | | 4-049-712-01 | BUTTON, POWER | |
| 5 | | 4-049-714-01 | GUIDE, LIGHT | |
| 6 | | 4-049-713-01 | BUTTON, CONTROL | |
| 7 | | 4-051-956-01 | SHEET, INSULATING | |
| 8 | | 4-051-955-01 | SHEET, PROTECTIVE | |
| 9 | | X-4033-772-1 | BEZNET ASSY | 1-8,??? |
| 10 | | 1-504-255-11 | SPEAKER (5X9CM) | |
| 11 | ⚠ | 8-735-562-05 | PICTURE TUBE (A34JBU70X) | |
| 12 | | 4-365-808-01 | SCREW (5), TAPPING | |
| 13 | | 4-372-556-11 | SHEET, BLOTTING | |
| 14 | | 4-036-982-01 | HOLDER, DGC | |
| 15 | | 4-046-600-11 | SPACER, DY | |
| 16 | | 8-451-418-21 | DEFLECTION YOKE (Y14NDA2) | |
| 17 | | 1-452-277-00 | MAGNET, BMC | |
| 18 | * | A-1331-592-A | C BOARD, COMPLETE | |
| 19 | | 4-369-318-61 | SPRING, TENSION | |
| 20 | ⚠ | 1-426-145-13 | COIL, DEGAUSSING | |
| 21 | ⚠ | 4-059-535-01 | COVER, REAR | |
| 22 | | 4-049-716-01 | SHEET, MASK | |
| 23 | | 4-049-130-01 | CLAMPER, CORD | |
| 24 | * | 4-048-690-01 | RAIL (L), GUIDE | |
| 25 | * | 4-048-689-01 | RAIL (R), GUIDE | |
| 26 | * | A-1293-378-A | A11 BOARD, COMPLETE | |
| 27 | | 8-598-323-00 | TUNER, VSS BT-AG401 | |
| 28 | ⚠ | 1-453-194-11 | TRANSFORMER ASSY, FLYBACK (NX-1723//M3A) | |
| 29 | * | A-1298-477-A | A BOARD, COMPLETE | |
| 30 | ⚠ | 4-389-778-11 | HOLDER, AC CORD | |
| 31 | ⚠ | 1-782-173-11 | CORD, POWER | |
| 32 | | 1-452-032-00 | MAGNET,DISC | |
| 33 | | X-4309-608-0 | PERMALLOY ASSY, CONVERGENCE | |
| ?? | | 4-049-275-81 | DOOR (RAW), CONTROL | |



## 7-2. CHASSIS (KV-G21K3)

●: BVTP3 × 10 7-685-647-79
■: BVTP4 × 16 7-685-663-79
▲: BVTP3 × 16 7-685-650-79




| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| 1 | | 4-061-659-01 | DOOR, CONTROL | |
| 2 | | 4-048-575-11 | LABEL, CONTROL | |
| 3 | | 4-627-936-01 | LOCK, MINIATURE SIDE | |
| 4 | | 4-048-691-01 | HANDLE | |
| 5 | | 4-048-687-01 | BUTTON, MULTI | |
| 6 | | 4-049-123-01 | GUIDE, LIGHT | |
| 7 | | 4-048-688-01 | BUTTON, POWER | |
| 8 | | X-4033-797-1 | BEZNET ASSY | 1-7,??? |
| 9 | | 4-037-613-01 | CUSHION, SP | |
| 10 | | 1-504-305-11 | SPEAKER (5X12CM) | |
| 11 | * | 4-038-987-11 | CUSHION, SPEAKER | |
| 12 | | 4-043-388-01 | SCREW, STEP TAPPING | |
| 13 | | 4-372-556-11 | SHEET, BLOTTING | |
| 14 | | 4-365-808-01 | SCREW (5), TAPPING | |
| 15 | ⚠ | 8-738-774-05 | PICTURE TUBE (A51JUH71X) | |
| 16 | | 1-452-277-00 | MAGNET, BMC | |
| 17 | | 8-451-280-33 | DEFLECTION YOKE (Y21PXA2) | |
| 18 | | 4-046-600-11 | SPACER, DY | |
| 19 | * | 3-704-372-11 | HOLDER, HV CABLE | |
| 20 | * | A-1331-591-A | C BOARD, COMPLETE | |
| 21 | | 4-369-318-61 | SPRING, TENSION | |
| 22 | ⚠ | 1-416-325-11 | COIL, DEMAGNETIC | |
| 23 | ⚠ | X-4034-932-1 | COVER ASSY, REAR | 24 |
| 24 | | 4-049-416-01 | SHEET, BLIND | |
| 25 | | 4-049-130-01 | CLAMPER, CORD | |
| 26 | | 4-049-121-01 | LABEL, TERMINAL | |
| 27 | * | 4-048-689-01 | RAIL (R), GUIDE | |
| 28 | * | 4-048-690-01 | RAIL (L), GUIDE | |
| 29 | * | A-1293-382-A | A11 BOARD, COMPLETE | |
| 30 | | 8-598-323-00 | TUNER, VSS BT-AG401 | |
| 31 | ⚠ | 1-900-700-05 | LEAD ASSY, FOCUS | |
| 32 | ⚠ | 1-453-193-21 | TRANSFORMER ASSY, FLYBACK (NX-1742//M3A) | |
| 33 | * | A-1298-478-A | A BOARD, COMPLETE | |
| 34 | ⚠ | 4-389-778-11 | HOLDER, AC CORD | |
| 35 | ⚠ | 1-782-173-11 | CORD, POWER | |
| 36 | | 1-452-032-00 | MAGNET,DISC | |
| 37 | | X-4309-608-0 | PERMALLOY ASSY, CONVERGENCE | |
| ?? | | 4-050-176-61 | DOOR (RAW), CONTROL | |

# SECTION 8
# ELECTRICAL PARTS LIST

**A(KV-G14K3)**

NOTE:

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

CAPACITORS
- MF : μF, PF : μμF

COILS
- MMH : mH, UH : μH

REMARK

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | * A-1298-477-A | A BOARD, COMPLETE (KV-G14K3) | | | | |
| | | ********** | | | | |
| | 1-533-223-11 | CLIP, FUSE | | | | |
| | * 1-580-798-11 | CONNECTOR PIN (DY) 6P | | | | |
| | * 4-367-524-32 | CASE, SHIELD (LID UPPER) | | | | |
| | | <CAPACITOR> | | | | |
| C001 | 1-102-119-00 | CERAMIC | 0.0015MF | 10% | 50V | |
| C002 | 1-126-965-11 | ELECT | 22MF | 20% | 50V | |
| C003 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C004 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V | |
| C007 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V | |
| C009 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V | |
| C010 | 1-136-157-00 | FILM | 0.022MF | 5% | 50V | |
| C011 | 1-126-967-11 | ELECT | 47MF | 20% | 16V | |
| C012 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C015 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V | |
| C016 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V | |
| C017 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C018 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C021 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C022 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C023 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C024 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C025 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C026 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C027 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C034 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C042 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C044 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C046 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C048 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C049 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C050 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C051 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C052 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C053 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C055 | 1-126-935-11 | ELECT | 470MF | 20% | 16V | |
| C056 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C057 | 1-102-852-91 | CERAMIC | 47PF | 5% | 50V | |
| C058 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C059 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C060 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C061 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V | |
| C072 | 1-126-935-11 | ELECT | 470MF | 20% | 16V | |
| C074 | 1-102-110-00 | CERAMIC | 220PF | 10% | 50V | |
| C101 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| C102 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C105 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C106 | 1-126-964-51 | ELECT | 10MF | 20% | 50V | |
| C108 | 1-126-767-11 | ELECT | 1000MF | 20% | 16V | |
| C109 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V | |
| C111 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C114 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C115 | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V | |
| C116 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C117 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C118 | 1-126-965-11 | ELECT | 22MF | 20% | 50V | |
| C119 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V | |
| C120 | 1-130-493-00 | MYLAR | 0.068MF | 5% | 50V | |
| C121 | 1-130-493-00 | MYLAR | 0.068MF | 5% | 50V | |
| C122 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C124 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C125 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C234 | 1-126-967-11 | ELECT | 47MF | 20% | 16V | |
| C235 | 1-126-967-11 | ELECT | 47MF | 20% | 16V | |
| C236 | 1-126-948-11 | ELECT | 100MF | 20% | 35V | |
| C237 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C238 | 1-137-188-51 | FILM | 0.15MF | 5% | 50V | |
| C241 | 1-126-942-61 | ELECT | 1000MF | 20% | 25V | |
| C242 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V | |
| C243 | 1-128-551-11 | ELECT | 22MF | 20% | 25V | |
| C244 | 1-126-942-61 | ELECT | 1000MF | 20% | 25V | |
| C253 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C255 | 1-101-005-00 | CERAMIC | 0.022MF | | 50V | |
| C258 | 1-130-494-11 | MYLAR | 0.082MF | 5% | 50V | |
| C300 | 1-126-967-11 | ELECT | 47MF | 20% | 16V | |
| C304 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C305 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C306 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C307 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C308 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C309 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C310 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C311 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V | |
| C312 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V | |
| C313 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C314 | 1-102-123-00 | CERAMIC | 0.0033MF | 10% | 50V | |
| C315 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C316 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V | |
| C317 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V | |
| C319 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C320 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C321 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C323 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C324 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V | |
| C325 | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V | |

# A(KV-G14K3)

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF. NO. | | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|---|
| C327 | | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V |
| C328 | | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C329 | | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V |
| C330 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C331 | | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C332 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C333 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C334 | | 1-102-124-00 | CERAMIC | 0.0039MF | 10% | 50V |
| C335 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C336 | | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C337 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C339 | | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V |
| C340 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C341 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C342 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C344 | | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C349 | | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C359 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C361 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C367 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C368 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C369 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C370 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C374 | | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C375 | | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C402 | | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C403 | | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C405 | | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C406 | | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C407 | | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C408 | | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C410 | | 1-102-961-00 | CERAMIC | 27PF | 5% | 50V |
| C411 | | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V |
| C423 | | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V |
| C501 | | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C523 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C548 | | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V |
| C551 | | 1-126-948-11 | ELECT | 100MF | 20% | 35V |
| C552 | | 1-126-948-11 | ELECT | 100MF | 20% | 35V |
| C553 | | 1-102-127-00 | CERAMIC | 0.0068MF | 10% | 50V |
| C554 | | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C555 | | 1-101-804-00 | CERAMIC | 10PF | 5% | 500V |
| C562 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C603 | | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C604 | | 1-117-751-11 | ELECT(BLOCK) | 220MF | 20% | 450V |
| C605 | | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C606 | | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C607 | | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C608 | | 1-104-332-11 | CERAMIC | 470PF | 10% | 2KV |
| C609 | | 1-124-347-00 | ELECT | 100MF | 20% | 160V |
| C611 | ⚠ | 1-164-497-51 | CERAMIC | 470PF | 10% | 400V |
| C613 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C614 | | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C616 | | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C618 | | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C621 | ⚠ | 1-104-705-51 | FILM | 0.1MF | 20% | 250V |
| C622 | | 1-106-383-00 | MYLAR | 0.047MF | 10% | 200V |
| C623 | | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C624 | | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C625 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |

| REF. NO. | | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|---|
| C627 | | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C628 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C630 | ⚠ | 1-164-497-51 | CERAMIC | 470PF | 10% | 400V |
| C631 | | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C632 | ⚠ | 1-164-497-51 | CERAMIC | 470PF | 10% | 400V |
| C633 | | 1-161-754-00 | CERAMIC | 0.001MF | 10% | 3KV |
| C634 | | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C801 | | 1-123-024-21 | ELECT | 33MF | | 160V |
| C802 | | 1-107-364-11 | MYLAR | 0.01MF | 10% | 200V |
| C804 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C805 | | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C806 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C809 | | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV |
| C810 | | 1-106-365-00 | MYLAR | 0.0082MF | 99% | 200V |
| C811 | | 1-101-821-00 | CERAMIC | 0.0022MF | | 500V |
| C812 | | 1-136-075-00 | FILM | 0.008MF | 3% | 2KV |
| C816 | | 1-107-636-11 | ELECT | 10MF | 20% | 160V |
| C820 | | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C821 | | 1-106-381-12 | MYLAR | 0.039MF | 10% | 200V |
| C822 | | 1-136-121-00 | FILM | 0.27MF | 5% | 200V |
| C823 | | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C825 | | 1-107-364-11 | MYLAR | 0.01MF | 10% | 200V |
| C850 | | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C852 | | 1-104-574-11 | CERAMIC | 0.0047MF | 10% | 2KV |
| C853 | | 1-162-318-11 | CERAMIC | 0.001MF | 10% | 500V |
| C854 | | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C856 | | 1-162-318-11 | CERAMIC | 0.001MF | 10% | 500V |
| C857 | | 1-130-493-00 | MYLAR | 0.068MF | 5% | 50V |
| C860 | | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C861 | | 1-107-654-11 | ELECT | 33MF | 20% | 250V |
| C876 | | 1-107-369-11 | MYLAR | 0.068MF | 10% | 100V |
| C898 | | 1-106-379-12 | MYLAR | 0.033MF | 10% | 100V |
| C901 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C902 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C1201 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1202 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C1204 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1205 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C1210 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1213 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1214 | | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C1217 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1218 | | 1-102-976-00 | CERAMIC | 180PF | 5% | 50V |
| C1221 | | 1-136-173-00 | FILM | 0.47MF | 5% | 50V |
| C1226 | | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C1228 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1229 | | 1-136-173-00 | FILM | 0.47MF | 5% | 50V |
| C1230 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C1513 | | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| | | | <FILTER> | | | |
| CF55 | | 1-567-099-00 | FILTER, CERAMIC | | | |
| | | | <CONNECTOR> | | | |
| CN101 | * | 1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P | | | |
| CN103 | * | 1-564-509-11 | PLUG, CONNECTOR 6P | | | |
| CN251 | | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| CN601 | * | 1-580-843-11 | PIN, CONNECTOR (POWER) | | | |
| CN602 | * | 1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | | | |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

**A(KV-G14K3)**

| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| CN603 | * | 1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | |
| CN851 | * | 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P | |
| | | | <COMPOSITION CIRCUIT BLOCK> | |
| CP001 | | 1-233-747-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP002 | | 1-233-749-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP003 | | 1-233-748-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP004 | | 1-233-750-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP005 | | 1-233-749-11 | CIRCUIT BLOCK, COMPOSITION | |
| | | | <TRIMMER> | |
| CT55 | | 1-404-801-11 | TRAP, CERAMIC | |
| | | | <DIODE> | |
| D001 | | 8-719-109-81 | DIODE RD4.7ESB2 | |
| D002 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D003 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D005 | | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D008 | | 8-719-109-89 | DIODE RD5.6ESB2 | |
| D103 | | 8-719-016-42 | DIODE MC932TP | |
| D251 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D252 | | 8-719-016-42 | DIODE MC932TP | |
| D301 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D302 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D304 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D305 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D306 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D307 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D308 | | 8-719-109-54 | DIODE RD2.2ESB2 | |
| D310 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D311 | | 8-719-109-68 | DIODE RD3.6ESB1 | |
| D312 | | 8-719-110-08 | DIODE RD8.2ESB2 | |
| D315 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D351 | | 8-719-908-03 | DIODE GP08D | |
| D399 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D403 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D513 | | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D551 | | 8-719-908-03 | DIODE GP08D | |
| D561 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D591 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D601 | | 8-719-510-53 | DIODE D4SB60L | |
| D604 | | 8-719-301-64 | DIODE RU4DS | |
| D606 | | 8-719-510-73 | DIODE S3L20UF4 | |
| D607 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D609 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D610 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D611 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D801 | | 8-719-945-80 | DIODE ERC06-15S | |
| D851 | | 8-719-302-43 | DIODE EL1Z | |
| D852 | | 8-719-028-72 | DIODE RGP02-17EL-6433 | |
| D853 | | 8-719-302-43 | DIODE EL1Z | |
| D855 | | 8-719-302-43 | DIODE EL1Z | |
| D857 | | 8-719-908-03 | DIODE GP08D | |
| D858 | | 8-719-908-03 | DIODE GP08D | |
| D860 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D901 | | 8-719-054-60 | DIODE LNK0220022G | |
| D1201 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D1202 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D1207 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D1208 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D1504 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D1505 | | 8-719-109-81 | DIODE RD4.7ESB2 | |
| | | | <FUSE> | |
| F601 | ⚠ | 1-532-237-11 | FUSE, TIME-LAG (BET) 3.15A/250V | |
| | | | <FERRITE BEAD> | |
| FB101 | | 1-410-397-21 | FERRITE 1.1UH | |
| FB102 | | 1-410-397-21 | FERRITE 1.1UH | |
| FB601 | | 1-410-397-21 | FERRITE 1.1UH | |
| FB603 | | 1-410-397-21 | FERRITE 1.1UH | |
| FB610 | | 1-410-397-21 | FERRITE 1.1UH | |
| FB612 | | 1-410-397-21 | FERRITE 1.1UH | |
| FB801 | | 1-410-397-21 | FERRITE 1.1UH | |
| | | | <IC> | |
| IC001 | | 8-752-894-33 | IC CXP85116B-666S | |
| IC002 | | 8-759-805-37 | IC L78LR05D-MA | |
| IC003 | | 8-759-370-33 | IC ST24C04FB6 | |
| IC004 | | 8-742-041-12 | HYB IC SBX1981-11(12) | |
| IC102 | | 8-759-157-40 | IC UPC574J | |
| IC203 | | 8-759-339-60 | IC TA8248K | |
| IC300 | | 8-759-365-25 | IC TDA8374A | |
| IC351 | | 8-759-288-85 | IC TDA4665T-T | |
| IC521 | | 8-759-195-63 | IC PQ09RE11 | |
| IC551 | | 8-759-801-98 | IC LA7830 | |
| IC601 | | 8-749-014-00 | IC STR-S6707N | |
| IC602 | | 8-749-921-89 | IC SE115N | |
| IC603 | ⚠ | 8-749-010-64 | PHOTO COUPLER PC123F2 | |
| IC801 | | 8-759-145-58 | IC UPC4558C | |
| IC1210 | | 8-759-145-58 | IC UPC4558C | |
| IC1211 | | 8-759-711-23 | IC NJM2234L | |
| | | | <JACK> | |
| J251 | | 1-770-785-11 | JACK | |
| J1201 | | 1-770-660-11 | JACK BLOCK, PIN 4P | |
| J1202 | | 1-695-238-11 | JACK BLOCK, PIN 2P | |
| | | | <COIL> | |
| L001 | | 1-408-397-00 | INDUCTOR 1UH | |
| L002 | | 1-410-509-11 | INDUCTOR 10UH | |
| L003 | | 1-408-605-31 | INDUCTOR 15UH | |
| L101 | | 1-410-470-11 | INDUCTOR 10UH | |
| L301 | | 1-408-598-31 | INDUCTOR 3.9UH | |
| L401 | | 1-410-498-11 | INDUCTOR 1.2UH | |
| L402 | | 1-410-510-11 | INDUCTOR 12UH | |
| L406 | | 1-410-507-11 | INDUCTOR 6.8UH | |
| L410 | | 1-410-501-11 | INDUCTOR 2.2UH | |
| L802 | | 1-412-527-11 | INDUCTOR 15UH | |
| L805 | | 1-460-046-11 | COIL, HORIZONTAL LINEARITY | |
| L807 | | 1-459-348-51 | COIL, VAR, FERRITE (HWC) | |

# A(KV-G14K3)

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| L808 | 1-412-553-11 | INDUCTOR | 3.3MMH | | |
| L821 | 1-406-677-11 | INDUCTOR | 0UH | | |
| L850 | 1-408-947-00 | INDUCTOR | 2.2MMH | | |
| | | <TRANSISTOR> | | | |
| Q030 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q108 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q109 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q110 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q202 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| Q207 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| Q208 | 8-729-030-02 | TRANSISTOR DTC144ESA | | | |
| Q210 | 8-729-029-92 | TRANSISTOR DTC143ESA | | | |
| Q301 | 8-729-029-66 | TRANSISTOR DTC114ESA | | | |
| Q303 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q402 | 8-729-922-66 | TRANSISTOR 2SC2410SN | | | |
| Q406 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| Q408 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q409 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| Q414 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q417 | 8-729-029-92 | TRANSISTOR DTC143ESA | | | |
| Q561 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | |
| Q801 | 8-729-140-50 | TRANSISTOR 2SC3209LK | | | |
| Q802 | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | |
| Q802 | 8-729-810-49 | TRANSISTOR 2SD1877S-SONY-CA | | | |
| Q902 | 8-729-030-02 | TRANSISTOR DTC144ESA | | | |
| Q903 | 8-729-030-02 | TRANSISTOR DTC144ESA | | | |
| Q1201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q1202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q1203 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q1204 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| Q1207 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q1208 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q1209 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q1513 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| | | <RESISTOR> | | | |
| R007 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R008 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R009 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R010 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R012 | 1-249-401-11 | CARBON | 47 | 5% 1/4W | |
| R013 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R014 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R015 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |
| R016 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R017 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R018 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R019 | 1-247-883-00 | CARBON | 150K | 5% 1/4W | |
| R021 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R025 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R026 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R027 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R028 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R029 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R031 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R033 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R035 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R036 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R038 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R040 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R041 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R042 | 1-249-412-11 | CARBON | 390 | 5% 1/4W | |
| R045 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R047 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R048 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R053 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R054 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R057 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R060 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R061 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R062 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R063 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R065 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R066 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R068 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R071 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R076 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R077 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R090 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R101 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R102 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R113 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R114 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R115 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R116 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R117 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R118 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R119 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |
| R120 | 1-247-891-00 | CARBON | 330K | 5% 1/4W | |
| R131 | 1-216-464-11 | METAL OXIDE | 18K | 5% 2W | F |
| R180 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R181 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R182 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R240 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |
| R241 | 1-136-165-00 | FILM | 0.1MF | 5% 50V | |
| R242 | 1-249-415-11 | CARBON | 680 | 5% 1/4W | |
| R243 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R244 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R245 | 1-249-426-11 | CARBON | 5.6K | 5% 1/4W | |
| R248 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R250 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R252 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R253 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R254 | 1-249-389-11 | CARBON | 4.7 | 5% 1/4W | |
| R265 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R266 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R303 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R304 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R305 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R306 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R307 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R308 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R309 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R310 | 1-249-441-11 | CARBON | 100K | 5% 1/4W | |
| R311 | 1-249-430-11 | CARBON | 12K | 5% 1/4W | |
| R312 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**A(KV-G14K3)**

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK | |
|---|---|---|---|---|---|---|
| R313 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R318 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | |
| R319 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R320 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R321 | 1-215-459-00 | METAL | 39K | 1% | 1/4W | |
| R322 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R324 | 1-259-882-11 | CARBON | 3.3M | 5% | 1/4W | |
| R326 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R330 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R331 | 1-247-899-11 | CARBON | 680K | 5% | 1/4W | |
| R332 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R333 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R335 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R336 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R339 | 1-215-408-00 | METAL | 300 | 1% | 1/4W | |
| R340 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R341 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R351 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R355 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R356 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R360 | 1-259-884-11 | CARBON | 4.7M | 5% | 1/4W | |
| R403 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | |
| R406 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R407 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R408 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R409 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R414 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R416 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R419 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R420 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R421 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R424 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R425 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R426 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | |
| R429 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R433 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R434 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R440 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | |
| R521 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R552 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R555 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R556 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R557 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R561 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R562 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | F |
| R563 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W | |
| R564 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R565 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R566 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R569 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R570 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | |
| R571 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R605 | 1-216-396-11 | METAL OXIDE | 3.9 | 5% | 3W | F |
| R609 | 1-249-381-11 | CARBON | 1 | 5% | 1/4W | |
| R610 | 1-215-924-00 | METAL OXIDE | 15K | 5% | 3W | F |
| R611 | 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R613 | 1-219-134-11 | FUSIBLE | 0.1 | 10% | 1/4W | |
| R614 | 1-215-877-11 | METAL OXIDE | 22K | 5% | 1W | F |
| R616 | ⚠ 1-247-289-11 | CARBON | 8.2M | 5% | 1W | |
| R617 | 1-215-924-00 | METAL OXIDE | 15K | 5% | 3W | F |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK | |
|---|---|---|---|---|---|---|
| R619 | 1-219-134-11 | FUSIBLE | 0.1 | 10% | 1/4W | |
| R620 | 1-202-962-11 | CEMENTED | 3.3 | 5% | 10W | |
| R622 | 1-207-615-00 | METAL | 0.33 | 10% | 2W | |
| R623 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R624 | 1-216-446-00 | METAL OXIDE | 18 | 5% | 2W | F |
| R625 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R626 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R627 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R628 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R629 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R636 | 1-215-924-00 | METAL OXIDE | 15K | 5% | 3W | F |
| R801 | 1-215-921-11 | METAL OXIDE | 4.7K | 5% | 3W | F |
| R803 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R804 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R805 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R809 | 1-247-763-11 | CARBON | 8.2K | 5% | 1/2W | F |
| R811 | 1-216-350-11 | METAL OXIDE | 1.2 | 5% | 1W | F |
| R816 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R820 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R821 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W | F |
| R822 | 1-216-429-00 | METAL OXIDE | 270 | 5% | 1W | F |
| R823 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W | F |
| R824 | 1-215-889-00 | METAL OXIDE | 330 | 5% | 2W | F |
| R825 | 1-249-392-11 | CARBON | 8.2 | 5% | 1/4W | F |
| R829 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | |
| R831 | 1-215-887-00 | METAL OXIDE | 150 | 5% | 2W | F |
| R834 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R851 | 1-249-382-11 | CARBON | 1.2 | 5% | 1/4W | F |
| R852 | 1-249-923-11 | CARBON | 1K | 5% | 1/4W | F |
| R853 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R854 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R855 | 1-260-107-11 | CARBON | 4.7K | 5% | 1/2W | |
| R856 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R857 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | |
| R858 | 1-216-370-11 | METAL OXIDE | 1.2 | 5% | 2W | F |
| R860 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R883 | 1-215-466-00 | METAL | 75K | 1% | 1/4W | |
| R895 | 1-216-349-00 | METAL OXIDE | 1 | 5% | 1W | F |
| R898 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R902 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R904 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R905 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R906 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R907 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R908 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R909 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| R910 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| R911 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | |
| R913 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R914 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R915 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | |
| R1201 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R1202 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1203 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1205 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R1206 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1211 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | |
| R1212 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1215 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R1216 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

# A(KV-G14K3) A(KV-G21K3)

| REF. NO. | | PART NO. | DESCRIPTION | | | REMARK | |
|---|---|---|---|---|---|---|---|
| R1217 | | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1219 | | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1220 | | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1221 | | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1227 | | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R1228 | | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1229 | | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1230 | | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1231 | | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1232 | | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R1233 | | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R1235 | | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R1239 | | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | F |
| R1240 | | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R1241 | | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1243 | | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R1246 | | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R1247 | | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1248 | | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1249 | | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1250 | | 1-247-901-11 | CARBON | 820K | 5% | 1/4W | |
| R1251 | | 1-247-901-11 | CARBON | 820K | 5% | 1/4W | |
| R1252 | | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R1253 | | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R1255 | | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1513 | | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1514 | | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R1515 | | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| | | | <SWITCH> | | | | |
| S601 | ⚠ | 1-571-433-31 | SWITCH, PUSH (AC POWER) | | | | |
| S801 | | 1-572-707-11 | SWITCH, LEVER | | | | |
| S901 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| S902 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| S903 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| S904 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| S905 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| | | | <SPARK GAP> | | | | |
| SG801 | | 1-519-422-11 | GAP, SPARK | | | | |
| | | | <SURFACE WAVE FILTER> | | | | |
| SWF401 | | 1-760-771-11 | FILTER, SURFACE WAVE | | | | |
| | | | <TRANSFORMER> | | | | |
| T601 | ⚠ | 1-429-138-11 | TRANSFORMER, CONVERTER (SRT) | | | | |
| T605 | ⚠ | 1-431-218-11 | TRANSFORMER, LINE FILTER | | | | |
| T801 | | 1-437-195-11 | TRANSFORMER, HORIZONTAL DRIVE | | | | |
| T851 | ⚠ | 1-453-194-11 | TRANSFORMER ASSY, FLYBACK (NX-1723//M3A) | | | | |
| | | | <THERMISTOR> | | | | |
| THP601 | ⚠ | 1-806-165-12 | THERMISTOR (POSITIVE) | | | | |

| REF. NO. | | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|---|
| | | | <TUNER> | | | |
| TU101 | | 8-598-323-00 | TUNER, VSS BT-AG401 | | | |
| | | | <CRYSTAL> | | | |
| X101 | | 1-577-082-11 | VIBRATOR, CERAMIC | | | |
| X300 | | 1-411-752-11 | COIL | | | |
| X358 | | 1-567-505-11 | OSCILLATOR, CRYSTAL | | | |
| X443 | | 1-567-504-11 | OSCILLATOR, CRYSTAL | | | |

**********

| | | | | | | |
|---|---|---|---|---|---|---|
| | * | A-1298-478-A | A BOARD, COMPLETE (KV-G21K3) | | | |
| | | | ********** | | | |
| | * | 1-580-798-11 | CONNECTOR PIN (DY) 6P | | | |
| | * | 4-367-524-32 | CASE, SHIELD (LID UPPER) | | | |
| | | | <CAPACITOR> | | | |
| C001 | | 1-102-119-00 | CERAMIC | 0.0015MF | 10% | 50V |
| C002 | | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C003 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C004 | | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C007 | | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C009 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C010 | | 1-136-157-00 | FILM | 0.022MF | 5% | 50V |
| C011 | | 1-126-967-11 | ELECT | 47MF | 20% | 16V |
| C012 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C015 | | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V |
| C016 | | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V |
| C017 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C018 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C021 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C022 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C023 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C024 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C025 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C026 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C027 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C034 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C042 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C044 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C046 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C048 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C049 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C050 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C052 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C053 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C055 | | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C056 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C057 | | 1-102-852-91 | CERAMIC | 47PF | 5% | 50V |
| C058 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C059 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C060 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C061 | | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C072 | | 1-126-935-11 | ELECT | 470MF | 20% | 16V |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**A(KV-G21K3)**

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C074 | 1-102-110-00 | CERAMIC | 220PF | 10% | 50V |
| C101 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V |
| C102 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C105 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C106 | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C108 | 1-126-767-11 | ELECT | 1000MF | 20% | 16V |
| C109 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C111 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C114 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C115 | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V |
| C116 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C117 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C118 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C119 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C120 | 1-130-493-00 | MYLAR | 0.068MF | 5% | 50V |
| C121 | 1-130-493-00 | MYLAR | 0.068MF | 5% | 50V |
| C122 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C124 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C125 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C234 | 1-126-967-11 | ELECT | 47MF | 20% | 16V |
| C235 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C236 | 1-126-949-11 | ELECT | 220MF | 20% | 35V |
| C237 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C238 | 1-137-188-51 | FILM | 0.15MF | 5% | 50V |
| C241 | 1-126-942-61 | ELECT | 1000MF | 20% | 25V |
| C242 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C243 | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C244 | 1-126-942-61 | ELECT | 1000MF | 20% | 25V |
| C252 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C253 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C258 | 1-130-494-11 | MYLAR | 0.082MF | 5% | 50V |
| C300 | 1-126-967-11 | ELECT | 47MF | 20% | 16V |
| C304 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C305 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C306 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C307 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C308 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C309 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C310 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C311 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V |
| C312 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V |
| C313 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C314 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V |
| C315 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C316 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C317 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C319 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C320 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C321 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C323 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C324 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C325 | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V |
| C326 | 1-102-949-00 | CERAMIC | 12PF | 5% | 50V |
| C327 | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V |
| C328 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C329 | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V |
| C330 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C331 | 1-126-964-51 | ELECT | 10MF | 20% | 50V |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C332 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C333 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C334 | 1-102-123-00 | CERAMIC | 0.0033MF | 10% | 50V |
| C335 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C336 | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C337 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C339 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V |
| C340 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C341 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C342 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C344 | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C349 | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C359 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C361 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C362 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V |
| C367 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C368 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C369 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C370 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C374 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C375 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C402 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C403 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C405 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C406 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C407 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C408 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C410 | 1-102-961-00 | CERAMIC | 27PF | 5% | 50V |
| C411 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V |
| C423 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V |
| C501 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C523 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C548 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V |
| C551 | 1-126-948-11 | ELECT | 100MF | 20% | 35V |
| C552 | 1-126-948-11 | ELECT | 100MF | 20% | 35V |
| C553 | 1-102-127-00 | CERAMIC | 0.0068MF | 10% | 50V |
| C554 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C555 | 1-101-804-00 | CERAMIC | 10PF | 5% | 500V |
| C562 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C602 | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C603 | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C604 | 1-117-752-11 | ELECT(BLOCK) | 330MF | 20% | 450V |
| C605 | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C606 | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C607 | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C608 | 1-104-332-11 | CERAMIC | 470PF | 10% | 2KV |
| C609 | 1-124-347-00 | ELECT | 100MF | 20% | 160V |
| C611 | ⚠ 1-164-497-51 | CERAMIC | 470PF | 10% | 400V |
| C613 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C614 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C616 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C618 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C621 | 1-104-705-51 | FILM | 0.1MF | 20% | 250V |
| C622 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 200V |
| C623 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C624 | 1-126-767-11 | ELECT | 1000MF | 20% | 16V |
| C625 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C627 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

# A(KV-G21K3)

| REF. NO. | | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|---|
| C628 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C630 | ⚠ | 1-164-497-51 | CERAMIC | 470PF | 10% | 400V |
| C631 | | 1-161-830-00 | CERAMIC | 0.0047MF | 99% | 500V |
| C632 | ⚠ | 1-164-497-51 | CERAMIC | 470PF | 10% | 400V |
| C633 | | 1-161-754-00 | CERAMIC | 0.001MF | 10% | 3KV |
| C634 | | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C801 | | 1-123-024-21 | ELECT | 33MF | | 160V |
| C802 | | 1-107-364-11 | MYLAR | 0.01MF | 10% | 200V |
| C804 | | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C805 | | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C806 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C807 | | 1-136-569-11 | FILM | 1.2MF | 5% | 200V |
| C808 | | 1-129-746-00 | FILM | 0.039MF | 5% | 400V |
| C809 | | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV |
| C810 | | 1-106-365-00 | MYLAR | 0.0082MF | 99% | 200V |
| C811 | | 1-162-318-11 | CERAMIC | 0.001MF | 10% | 500V |
| C812 | | 1-136-081-00 | FILM | 0.012MF | 3% | 2KV |
| C816 | | 1-107-636-11 | ELECT | 10MF | 20% | 160V |
| C820 | | 1-161-754-00 | CERAMIC | 0.001MF | 10% | 2KV |
| C821 | | 1-104-999-11 | MYLAR | 0.1MF | 10% | 200V |
| C822 | | 1-136-111-00 | FILM | 1MF | 5% | 200V |
| C823 | | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C825 | | 1-107-364-11 | MYLAR | 0.01MF | 10% | 200V |
| C850 | | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C852 | | 1-104-574-11 | CERAMIC | 0.0047MF | 10% | 2KV |
| C853 | | 1-162-318-11 | CERAMIC | 0.001MF | 10% | 500V |
| C854 | | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C856 | | 1-162-318-11 | CERAMIC | 0.001MF | 10% | 500V |
| C857 | | 1-136-159-00 | FILM | 0.033MF | 5% | 50V |
| C860 | | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C861 | | 1-107-654-11 | ELECT | 33MF | 20% | 250V |
| C875 | | 1-128-562-11 | ELECT | 47MF | 20% | 100V |
| C876 | | 1-107-369-11 | MYLAR | 0.068MF | 10% | 100V |
| C891 | | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V |
| C898 | | 1-137-150-11 | MYLAR | 0.01MF | 10% | 100V |
| C901 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C902 | | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C1201 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1202 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C1204 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1205 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C1210 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1213 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1214 | | 1-126-964-51 | ELECT | 10MF | 20% | 50V |
| C1217 | | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1218 | | 1-102-976-00 | CERAMIC | 180PF | 5% | 50V |
| C1221 | | 1-136-173-00 | FILM | 0.47MF | 5% | 50V |
| C1226 | | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C1228 | | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1229 | | 1-136-173-00 | FILM | 0.47MF | 5% | 50V |
| C1230 | | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C1513 | | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| | | | <FILTER> | | | |
| CF55 | | 1-567-099-00 | FILTER, CERAMIC | | | |

| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| | | | <CONNECTOR> | |
| CN101 | * | 1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P | |
| CN103 | * | 1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN251 | * | 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN601 | * | 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN602 | * | 1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | |
| CN603 | * | 1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | |
| CN851 | * | 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P | |
| | | | <COMPOSITION CIRCUIT BLOCK> | |
| CP001 | | 1-233-747-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP002 | | 1-233-749-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP003 | | 1-233-748-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP004 | | 1-233-750-11 | CIRCUIT BLOCK, COMPOSITION | |
| CP005 | | 1-233-749-11 | CIRCUIT BLOCK, COMPOSITION | |
| | | | <TRIMMER> | |
| CT55 | | 1-404-801-11 | TRAP, CERAMIC | |
| | | | <DIODE> | |
| D001 | | 8-719-109-81 | DIODE RD4.7ESB2 | |
| D002 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D003 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D005 | | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D008 | | 8-719-109-89 | DIODE RD5.6ESB2 | |
| D103 | | 8-719-016-42 | DIODE MC932TP | |
| D251 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D252 | | 8-719-016-42 | DIODE MC932TP | |
| D301 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D305 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D306 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D307 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D308 | | 8-719-109-54 | DIODE RD2.2ESB2 | |
| D310 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D311 | | 8-719-109-54 | DIODE RD2.2ESB2 | |
| D312 | | 8-719-110-08 | DIODE RD8.2ESB2 | |
| D315 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D351 | | 8-719-908-03 | DIODE GP08D | |
| D399 | | 8-719-121-24 | DIODE RD9.1ESL | |
| D403 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D513 | | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D551 | | 8-719-908-03 | DIODE GP08D | |
| D561 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D591 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D601 | | 8-719-510-53 | DIODE D4SB60L | |
| D604 | | 8-719-301-64 | DIODE RU4DS | |
| D606 | | 8-719-510-73 | DIODE S3L20UF4 | |
| D607 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D609 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D610 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D611 | | 8-719-510-26 | DIODE D1NL20-TA | |
| D801 | | 8-719-945-80 | DIODE ERC06-15S | |
| D802 | | 8-719-900-26 | DIODE ERD29-08J | |
| D851 | | 8-719-302-43 | DIODE EL1Z | |
| D852 | | 8-719-028-72 | DIODE RGP02-17EL-6433 | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**A(KV-G21K3)**

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D853 | 8-719-302-43 | DIODE EL1Z | |
| D855 | 8-719-302-43 | DIODE EL1Z | |
| D857 | 8-719-908-03 | DIODE GP08D | |
| D858 | 8-719-908-03 | DIODE GP08D | |
| D860 | 8-719-911-19 | DIODE 1SS119-25 | |
| D901 | 8-719-054-60 | DIODE LNK0220022G | |
| D1201 | 8-719-121-24 | DIODE RD9.1ESL | |
| D1202 | 8-719-121-24 | DIODE RD9.1ESL | |
| D1207 | 8-719-121-24 | DIODE RD9.1ESL | |
| D1208 | 8-719-121-24 | DIODE RD9.1ESL | |
| D1504 | 8-719-911-19 | DIODE 1SS119-25 | |
| D1505 | 8-719-109-81 | DIODE RD4.7ESB2 | |
| | | <FUSE> | |
| F601 ⚠ | 1-532-237-11 | FUSE, TIME-LAG (BET) 3.15A/250V | |
| | | <FERRITE BEAD> | |
| FB101 | 1-410-397-21 | FERRITE 1.1UH | |
| FB102 | 1-410-397-21 | FERRITE 1.1UH | |
| FB601 | 1-410-397-21 | FERRITE 1.1UH | |
| FB603 | 1-410-397-21 | FERRITE 1.1UH | |
| FB610 | 1-410-397-21 | FERRITE 1.1UH | |
| FB612 | 1-410-397-21 | FERRITE 1.1UH | |
| FB801 | 1-410-397-21 | FERRITE 1.1UH | |
| | | <CLIP FUSE> | |
| FH01 | 1-533-223-11 | CLIP, FUSE | |
| FH02 | 1-533-223-11 | CLIP, FUSE | |
| | | <IC> | |
| IC001 | 8-752-894-33 | IC CXP85116B-666S | |
| IC002 | 8-759-805-37 | IC L78LR05D-MA | |
| IC003 | 8-759-370-33 | IC ST24C04FB6 | |
| IC004 | 8-742-041-12 | HYB IC SBX1981-11(12) | |
| IC102 | 8-759-157-40 | IC UPC574J | |
| IC203 | 8-759-339-60 | IC TA8248K | |
| IC300 | 8-759-365-26 | IC TDA8375A | |
| IC351 | 8-759-288-85 | IC TDA4665T-T | |
| IC521 | 8-759-195-63 | IC PQ09RE11 | |
| IC551 | 8-759-801-98 | IC LA7830 | |
| IC601 | 8-749-014-00 | IC STR-S6707N | |
| IC602 | 8-749-921-89 | IC SE115N | |
| IC603 ⚠ | 8-749-010-64 | PHOTO COUPLER PC123F2 | |
| IC801 | 8-759-145-58 | IC UPC4558C | |
| IC1210 | 8-759-145-58 | IC UPC4558C | |
| IC1211 | 8-759-711-23 | IC NJM2234L | |
| | | <JACK> | |
| J251 | 1-770-785-11 | JACK | |
| J1201 | 1-770-660-11 | JACK BLOCK, PIN 4P | |
| J1202 | 1-695-238-11 | JACK BLOCK, PIN 2P | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <COIL> | |
| L001 | 1-408-397-00 | INDUCTOR 1UH | |
| L002 | 1-410-509-11 | INDUCTOR 10UH | |
| L003 | 1-408-605-31 | INDUCTOR 15UH | |
| L101 | 1-410-470-11 | INDUCTOR 10UH | |
| L301 | 1-408-598-31 | INDUCTOR 3.9UH | |
| L401 | 1-410-498-11 | INDUCTOR 1.2UH | |
| L402 | 1-410-510-11 | INDUCTOR 12UH | |
| L406 | 1-410-507-11 | INDUCTOR 6.8UH | |
| L410 | 1-410-501-11 | INDUCTOR 2.2UH | |
| L802 | 1-412-527-11 | INDUCTOR 15UH | |
| L804 | 1-459-075-00 | INDUCTOR 0UH | |
| L805 | 1-459-769-13 | COIL, HORIZONTAL LINEARITY | |
| L807 | 1-459-390-00 | INDUCTOR 0UH | |
| L808 | 1-412-553-11 | INDUCTOR 3.3MMH | |
| L821 | 1-459-111-00 | INDUCTOR 0UH | |
| L850 | 1-408-947-00 | INDUCTOR 2.2MMH | |
| | | <TRANSISTOR> | |
| Q030 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q108 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q109 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q110 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q202 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q207 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q208 | 8-729-030-02 | TRANSISTOR DTC144ESA | |
| Q210 | 8-729-029-92 | TRANSISTOR DTC143ESA | |
| Q301 | 8-729-029-66 | TRANSISTOR DTC114ESA | |
| Q303 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q402 | 8-729-922-66 | TRANSISTOR 2SC2410SN | |
| Q406 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q408 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q409 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q414 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q417 | 8-729-029-92 | TRANSISTOR DTC143ESA | |
| Q561 | 8-729-200-17 | TRANSISTOR 2SA1091-O | |
| Q801 | 8-729-140-50 | TRANSISTOR 2SC3209LK | |
| Q802 | 8-729-821-87 | TRANSISTOR 2SD1878-CA | |
| Q821 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q902 | 8-729-030-02 | TRANSISTOR DTC144ESA | |
| Q903 | 8-729-030-02 | TRANSISTOR DTC144ESA | |
| Q1201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1203 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1204 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q1207 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1208 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1209 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1513 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| | | <RESISTOR> | |
| R007 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R008 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R009 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R010 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R012 | 1-249-401-11 | CARBON 47 5% 1/4W | |

# A(KV-G21K3)

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R013 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R014 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R015 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |
| R016 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R017 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R018 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R019 | 1-247-883-00 | CARBON | 150K | 5% 1/4W | |
| R021 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R025 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R026 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R027 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R028 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R029 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R031 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R033 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R035 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R036 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R038 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R040 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R041 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R042 | 1-249-412-11 | CARBON | 390 | 5% 1/4W | |
| R045 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R047 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R048 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R053 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R054 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R057 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R060 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R061 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R062 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R063 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R065 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R066 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R068 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R071 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R076 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R077 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R090 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R101 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R102 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R113 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R114 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R115 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R116 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R117 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R118 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R119 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |
| R120 | 1-247-891-00 | CARBON | 330K | 5% 1/4W | |
| R131 | 1-216-464-11 | METAL OXIDE | 18K | 5% 2W | F |
| R180 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R181 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R182 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R240 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |
| R241 | 1-136-165-00 | FILM | 0.1MF | 5% 50V | |
| R242 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |
| R243 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R244 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R245 | 1-249-426-11 | CARBON | 5.6K | 5% 1/4W | |
| R248 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R250 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R252 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R253 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R254 | 1-249-389-11 | CARBON | 4.7 | 5% 1/4W | |
| R258 | 1-216-396-11 | METAL OXIDE | 3.9 | 5% 3W | F |
| R265 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R266 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R303 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R304 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R305 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R306 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R307 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R308 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R309 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R310 | 1-249-441-11 | CARBON | 100K | 5% 1/4W | |
| R311 | 1-249-430-11 | CARBON | 12K | 5% 1/4W | |
| R312 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R313 | 1-247-843-11 | CARBON | 3.3K | 5% 1/4W | |
| R318 | 1-247-881-00 | CARBON | 120K | 5% 1/4W | |
| R319 | 1-259-877-11 | CARBON | 1.2M | 5% 1/4W | |
| R320 | 1-249-434-11 | CARBON | 27K | 5% 1/4W | |
| R321 | 1-215-459-00 | METAL | 39K | 1% 1/4W | |
| R322 | 1-249-434-11 | CARBON | 27K | 5% 1/4W | |
| R326 | 1-249-424-11 | CARBON | 3.9K | 5% 1/4W | |
| R330 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |
| R331 | 1-247-897-11 | CARBON | 560K | 5% 1/4W | |
| R332 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R333 | 1-249-431-11 | CARBON | 15K | 5% 1/4W | |
| R335 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R336 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R339 | 1-215-408-00 | METAL | 300 | 1% 1/4W | |
| R340 | 1-249-410-11 | CARBON | 270 | 5% 1/4W | |
| R341 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R344 | 1-259-880-11 | CARBON | 2.2M | 5% 1/4W | |
| R351 | 1-249-393-11 | CARBON | 10 | 5% 1/4W | |
| R355 | 1-249-393-11 | CARBON | 10 | 5% 1/4W | |
| R356 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R360 | 1-259-884-11 | CARBON | 4.7M | 5% 1/4W | |
| R403 | 1-249-403-11 | CARBON | 68 | 5% 1/4W | |
| R406 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R407 | 1-249-424-11 | CARBON | 3.9K | 5% 1/4W | |
| R408 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |
| R409 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R414 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R416 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R419 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R420 | 1-249-412-11 | CARBON | 390 | 5% 1/4W | |
| R421 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R424 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R425 | 1-249-412-11 | CARBON | 390 | 5% 1/4W | |
| R426 | 1-249-407-11 | CARBON | 150 | 5% 1/4W | |
| R429 | 1-249-412-11 | CARBON | 390 | 5% 1/4W | |
| R433 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R434 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R440 | 1-249-407-11 | CARBON | 150 | 5% 1/4W | |
| R521 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R552 | 1-247-883-00 | CARBON | 150K | 5% 1/4W | |
| R553 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R555 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R556 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R557 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**A(KV-G21K3)**

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R561 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R562 | 1-249-419-11 | CARBON | 1.5K | 5% 1/4W | F |
| R563 | 1-260-126-11 | CARBON | 180K | 5% 1/2W | |
| R564 | 1-249-438-11 | CARBON | 56K | 5% 1/4W | |
| R565 | 1-249-438-11 | CARBON | 56K | 5% 1/4W | |
| R566 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R569 | 1-260-354-71 | CARBON | 150K | 5% 1/2W | |
| R571 | 1-247-815-91 | CARBON | 220 | 5% 1/4W | |
| R601 | 1-202-961-11 | CEMENTED | 1.8 | 5% 10W | |
| R602 | 1-202-961-11 | CEMENTED | 1.8 | 5% 10W | |
| R605 | 1-216-396-11 | METAL OXIDE | 3.9 | 5% 3W | F |
| R606 | 1-215-915-11 | METAL OXIDE | 470 | 5% 3W | F |
| R610 | 1-215-924-00 | METAL OXIDE | 15K | 5% 3W | F |
| R611 | 1-202-933-61 | FUSIBLE | 0.1 | 10% 1/2W | F |
| R613 | 1-219-134-11 | FUSIBLE | 0.1 | 10% 1/4W | |
| R614 | 1-215-877-11 | METAL OXIDE | 22K | 5% 1W | F |
| R616 | ⚠ 1-247-289-11 | CARBON | 8.2M | 5% 1W | |
| R617 | 1-215-924-00 | METAL OXIDE | 15K | 5% 3W | F |
| R619 | 1-219-134-11 | FUSIBLE | 0.1 | 10% 1/4W | |
| R622 | 1-217-192-21 | METAL | 0.22 | 10% 2W | |
| R623 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R624 | 1-216-446-00 | METAL OXIDE | 18 | 5% 2W | F |
| R625 | 1-249-424-11 | CARBON | 3.9K | 5% 1/4W | |
| R626 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |
| R627 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R628 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R629 | 1-249-399-11 | CARBON | 33 | 5% 1/4W | |
| R632 | 1-249-381-11 | CARBON | 1 | 5% 1/4W | |
| R636 | 1-215-924-00 | METAL OXIDE | 15K | 5% 3W | F |
| R801 | 1-215-920-11 | METAL OXIDE | 3.3K | 5% 3W | F |
| R802 | 1-249-385-11 | CARBON | 2.2 | 5% 1/4W | F |
| R803 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R804 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R805 | 1-247-863-91 | CARBON | 22K | 5% 1/4W | |
| R809 | 1-247-756-11 | CARBON | 2.2K | 5% 1/2W | F |
| R811 | 1-216-343-00 | METAL OXIDE | 0.33 | 5% 1W | F |
| R812 | 1-215-447-00 | METAL | 12K | 1% 1/4W | |
| R816 | 1-249-435-11 | CARBON | 33K | 5% 1/4W | |
| R820 | 1-249-419-11 | CARBON | 1.5K | 5% 1/4W | |
| R821 | 1-215-911-11 | METAL OXIDE | 100 | 5% 3W | F |
| R822 | 1-216-429-00 | METAL OXIDE | 270 | 5% 1W | F |
| R823 | 1-249-931-11 | CARBON | 2.2K | 5% 1/4W | F |
| R825 | 1-249-392-11 | CARBON | 8.2 | 5% 1/4W | F |
| R826 | 1-249-422-11 | CARBON | 2.7K | 5% 1/4W | |
| R827 | 1-249-440-11 | CARBON | 82K | 5% 1/4W | |
| R828 | 1-249-424-11 | CARBON | 3.9K | 5% 1/4W | |
| R829 | 1-249-419-11 | CARBON | 1.5K | 5% 1/4W | |
| R831 | 1-215-863-11 | METAL OXIDE | 100 | 5% 1W | F |
| R832 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R834 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R851 | 1-249-382-11 | CARBON | 1.2 | 5% 1/4W | F |
| R852 | 1-249-923-11 | CARBON | 1K | 5% 1/4W | F |
| R853 | 1-249-377-11 | CARBON | 0.47 | 5% 1/4W | F |
| R854 | 1-249-377-11 | CARBON | 0.47 | 5% 1/4W | F |
| R855 | 1-202-818-00 | SOLID | 1K | 20% 1/2W | |
| R856 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R857 | 1-249-438-11 | CARBON | 56K | 5% 1/4W | |
| R858 | 1-216-370-11 | METAL OXIDE | 1.2 | 5% 2W | F |
| R860 | 1-247-887-00 | CARBON | 220K | 5% 1/4W | |
| R881 | 1-249-414-11 | CARBON | 560 | 5% 1/4W | |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R882 | 1-249-422-11 | CARBON | 2.7K | 5% 1/4W | |
| R883 | 1-247-903-00 | CARBON | 1M | 5% 1/4W | |
| R895 | 1-216-349-00 | METAL OXIDE | 1 | 5% 1W | F |
| R898 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R902 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R904 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R905 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R906 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R907 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |
| R908 | 1-249-420-11 | CARBON | 1.8K | 5% 1/4W | |
| R909 | 1-247-843-11 | CARBON | 3.3K | 5% 1/4W | |
| R910 | 1-247-843-11 | CARBON | 3.3K | 5% 1/4W | |
| R911 | 1-249-428-11 | CARBON | 8.2K | 5% 1/4W | |
| R913 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R914 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R915 | 1-249-428-11 | CARBON | 8.2K | 5% 1/4W | |
| R1201 | 1-249-404-00 | CARBON | 82 | 5% 1/4W | |
| R1202 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1203 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R1205 | 1-249-404-00 | CARBON | 82 | 5% 1/4W | |
| R1206 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R1211 | 1-249-403-11 | CARBON | 68 | 5% 1/4W | |
| R1212 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1215 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R1216 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R1217 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R1219 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R1220 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1221 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R1227 | 1-249-436-11 | CARBON | 39K | 5% 1/4W | |
| R1228 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1229 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R1230 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R1231 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1232 | 1-249-424-11 | CARBON | 3.9K | 5% 1/4W | |
| R1233 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R1235 | 1-249-436-11 | CARBON | 39K | 5% 1/4W | |
| R1239 | 1-249-389-11 | CARBON | 4.7 | 5% 1/4W | F |
| R1240 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R1241 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1243 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |
| R1246 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | |
| R1247 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R1248 | 1-249-417-11 | CARBON | 1K | 5% 1/4W | |
| R1249 | 1-249-413-11 | CARBON | 470 | 5% 1/4W | |
| R1250 | 1-247-901-11 | CARBON | 820K | 5% 1/4W | |
| R1251 | 1-247-901-11 | CARBON | 820K | 5% 1/4W | |
| R1252 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | |
| R1253 | 1-249-418-11 | CARBON | 1.2K | 5% 1/4W | |
| R1255 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R1513 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R1514 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W | |
| R1515 | 1-247-807-31 | CARBON | 100 | 5% 1/4W | |

<SWITCH>

| | | |
|---|---|---|
| S601 | ⚠ 1-571-433-31 | SWITCH, PUSH (AC POWER) |
| S801 | 1-572-707-11 | SWITCH, LEVER |
| S901 | 1-570-577-41 | SWITCH, PUSH |
| S902 | 1-570-577-41 | SWITCH, PUSH |
| S903 | 1-570-577-41 | SWITCH, PUSH |

# A(KV-G21K3) A11 C(KV-G14K3)

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF. NO. | | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|---|
| S904 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| S905 | | 1-570-577-41 | SWITCH, PUSH | | | | |
| | | | <SPARK GAP> | | | | |
| SG801 | | 1-519-422-11 | GAP, SPARK | | | | |
| | | | <SURFACE WAVE FILTER> | | | | |
| SWF401 | | 1-760-771-11 | FILTER, SURFACE WAVE | | | | |
| | | | <TRANSFORMER> | | | | |
| T601 | ⚠ | 1-429-137-11 | TRANSFORMER, CONVERTER (SRT) | | | | |
| T605 | ⚠ | 1-431-218-11 | TRANSFORMER, LINE FILTER | | | | |
| T801 | | 1-437-195-11 | TRANSFORMER, HORIZONTAL DRIVE | | | | |
| T851 | ⚠ | 1-453-193-21 | TRANSFORMER ASSY, FLYBACK (NX-1742//M3A) | | | | |
| | | | <THERMISTOR> | | | | |
| THP601 | ⚠ | 1-808-059-32 | THERMISTOR, POSITIVE | | | | |
| | | | <TUNER> | | | | |
| TU101 | | 8-598-323-00 | TUNER, VSS BT-AG401 | | | | |
| | | | <CRYSTAL> | | | | |
| X101 | | 1-577-082-11 | VIBRATOR, CERAMIC | | | | |
| X300 | | 1-411-752-11 | COIL | | | | |
| X358 | | 1-567-505-11 | OSCILLATOR, CRYSTAL | | | | |
| X443 | | 1-567-504-11 | OSCILLATOR, CRYSTAL | | | | |

**********

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | * | A-1293-382-A | A11 BOARD, COMPLETE<br>********** | | | | |
| | | | <CAPACITOR> | | | | |
| C414 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C417 | | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C418 | | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V | |
| | | | <FILTER> | | | | |
| CF65 | | 1-567-101-11 | FILTER, CERAMIC | | | | |
| | | | <CONNECTOR> | | | | |
| CN401 | * | 1-778-603-11 | PIN, CONNECTOR (PC BOARD) 12P | | | | |
| | | | <TRIMMER> | | | | |
| CT65 | | 1-409-327-00 | TRAP, CERAMIC (6.5MHZ) | | | | |

| REF. NO. | | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|---|
| | | | <IC> | | | | |
| IC401 | | 8-759-800-65 | IC LA7910 | | | | |
| | | | <COIL> | | | | |
| L407 | | 1-410-511-11 | INDUCTOR | 15UH | | | |
| L408 | | 1-410-500-11 | INDUCTOR | 1.8UH | | | |
| | | | <TRANSISTOR> | | | | |
| Q410 | | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| Q411 | | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q413 | | 8-729-029-92 | TRANSISTOR DTC143ESA | | | | |
| | | | <RESISTOR> | | | | |
| R427 | | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R428 | | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R430 | | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |

**********

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | * | A-1331-592-A | C BOARD, COMPLETE (KV-G14K3)<br>********** | | | | |
| | | | <CAPACITOR> | | | | |
| C702 | | 1-136-601-11 | FILM | 0.01MF | 10% | 630V | |
| C705 | | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V | |
| C706 | | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V | |
| C707 | | 1-102-117-00 | CERAMIC | 820PF | 10% | 50V | |
| C708 | | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C712 | | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C713 | | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V | |
| C716 | | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V | |
| | | | <CONNECTOR> | | | | |
| CN701 | | 1-695-915-11 | TAB (CONTACT) | | | | |
| CN703 | * | 1-564-509-11 | PLUG, CONNECTOR 6P | | | | |
| CN704 | * | 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P | | | | |
| | | | <DIODE> | | | | |
| D701 | | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D702 | | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D703 | | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D705 | | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V | |
| D712 | | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D713 | | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D714 | | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| | | | <JACK> | | | | |
| J701 | ⚠ | 1-251-192-11 | SOCKET, CRT | | | | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**C(KV-G14K3)** **C(KV-G21K3)**

| REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <TRANSISTOR> | | | | |
| Q701 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q702 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q703 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q704 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q705 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q706 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| | | <RESISTOR> | | | | |
| R701 | 1-260-133-11 | CARBON | 680K | 5% | 1/2W | |
| R702 | 1-260-123-11 | CARBON | 100K | 5% | 1/2W | |
| R703 | 1-260-135-11 | CARBON | 1M | 5% | 1/2W | |
| R705 | 1-260-079-11 | CARBON | 22 | 5% | 1/2W | |
| R706 | 1-260-105-11 | CARBON | 3.3K | 5% | 1/2W | |
| R707 | 1-260-105-11 | CARBON | 3.3K | 5% | 1/2W | |
| R708 | 1-260-105-11 | CARBON | 3.3K | 5% | 1/2W | |
| R709 | 1-215-899-11 | METAL OXIDE | 15K | 5% | 2W | F |
| R711 | 1-215-899-11 | METAL OXIDE | 15K | 5% | 2W | F |
| R713 | 1-215-899-11 | METAL OXIDE | 15K | 5% | 2W | F |
| R714 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R717 | 1-215-409-00 | METAL | 330 | 1% | 1/4W | |
| R718 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R719 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R720 | 1-216-346-00 | METAL OXIDE | 0.56 | 5% | 1W | F |
| R722 | 1-215-411-00 | METAL | 390 | 1% | 1/4W | |
| R725 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R726 | 1-215-479-00 | METAL | 270K | 1% | 1/4W | |
| R727 | 1-215-487-00 | METAL | 560K | 1% | 1/4W | |
| R728 | 1-215-479-00 | METAL | 270K | 1% | 1/4W | |
| R730 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R731 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R732 | 1-215-411-00 | METAL | 390 | 1% | 1/4W | |
| R733 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W | |
| R734 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W | |
| R735 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W | |
| R749 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R750 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R751 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| | | <VARIABLE RESISTOR> | | | | |
| RV701 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | | | | |
| RV703 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | | | | |

**********

| | | | | | | |
|---|---|---|---|---|---|---|
| * | A-1331-591-A | C BOARD, COMPLETE (KV-G21K3) | | | | |
| | | ********** | | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | | |
| | | <CAPACITOR> | | | | |
| C701 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV | |
| C702 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C703 | 1-107-651-11 | ELECT | 4.7MF | 20% | 250V | |
| C704 | 1-130-202-00 | FILM | 0.022MF | 5% | 400V | |
| C708 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C709 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C710 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C712 | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V | |
| C713 | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V | |
| C714 | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V | |
| C716 | 1-126-968-11 | ELECT | 100MF | 20% | 50V | |
| C736 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C737 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C746 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| | | <CONNECTOR> | | | | |
| CN701 | * 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P | | | | |
| CN703 | * 1-564-509-11 | PLUG, CONNECTOR 6P | | | | |
| CN704 | 1-695-915-11 | TAB (CONTACT) | | | | |
| | | <DIODE> | | | | |
| D701 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D702 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D703 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D707 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D708 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D709 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D710 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D711 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D712 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D716 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D717 | 8-719-121-24 | DIODE RD9.1ESL | | | | |
| | | <JACK> | | | | |
| J701 | ⚠ 1-251-239-11 | SOCKET, CRT | | | | |
| | | <COIL> | | | | |
| L701 | 1-410-667-31 | INDUCTOR | 22UH | | | |
| | | <TRANSISTOR> | | | | |
| Q704 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q705 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q706 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q707 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q708 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q709 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q710 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q711 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q712 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| | | <RESISTOR> | | | | |
| R702 | 1-244-941-00 | CARBON | 680K | 5% | 1/2W | |
| R703 | 1-249-496-11 | CARBON | 100K | 5% | 1/2W | |
| R705 | 1-216-393-00 | METAL OXIDE | 2.2 | 5% | 3W | F |
| R710 | 1-215-922-11 | METAL OXIDE | 6.8K | 5% | 3W | F |
| R711 | 1-247-763-11 | CARBON | 8.2K | 5% | 1/2W | |

# C(KV-G21K3)

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R712 | 1-215-922-11 | METAL OXIDE | 6.8K | 5% | 3W | F |
| R713 | 1-247-763-11 | CARBON | 8.2K | 5% | 1/2W | |
| R714 | 1-215-922-11 | METAL OXIDE | 6.8K | 5% | 3W | F |
| R715 | 1-247-763-11 | CARBON | 8.2K | 5% | 1/2W | |
| R719 | 1-215-480-00 | METAL | 300K | 1% | 1/4W | |
| R720 | 1-249-923-11 | CARBON | 1K | 5% | 1/4W | F |
| R721 | 1-215-489-00 | METAL | 680K | 1% | 1/4W | |
| R722 | 1-249-923-11 | CARBON | 1K | 5% | 1/4W | F |
| R723 | 1-215-479-00 | METAL | 270K | 1% | 1/4W | |
| R724 | 1-249-923-11 | CARBON | 1K | 5% | 1/4W | F |
| R725 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R726 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R727 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R728 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | |
| R729 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R730 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R731 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R732 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R733 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R734 | 1-247-739-11 | CARBON | 100 | 5% | 1/2W | |
| R738 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R739 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R740 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R755 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R756 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R757 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| | | <VARIABLE RESISTOR> | | | | |
| RV701 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | | | | |

**********

MISCELLANEOUS
**********

| | | |
|---|---|---|
| ⚠ | 1-426-145-13 | COIL, DEGAUSSING (KV-G14K3) |
| ⚠ | 1-416-325-11 | COIL, DEMAGNETIC (KV-G21K3) |
| | 1-417-151-21 | MATCHING TRANSFORMER, ANTENNA |
| | 1-452-032-00 | MAGNET,DISC |
| | 1-452-277-00 | MAGNET, BMC |
| | 1-501-730-41 | ANTENNA, TELESCOPIC |
| | 1-504-255-11 | SPEAKER (5X9CM) (KV-G14K3) |
| | 1-504-305-11 | SPEAKER (5X12CM) (KV-G21K3) |
| ⚠ | 1-782-173-11 | CORD, POWER |
| ⚠ | 1-900-700-05 | LEAD ASSY, FOCUS (KV-G21K3) |
| | 8-451-418-21 | DEFLECTION YOKE (Y14NDA2) (KV-G14K3) |
| | 8-451-280-33 | DEFLECTION YOKE (Y21PXA2) (KV-G21K3) |
| ⚠ | 8-735-562-05 | PICTURE TUBE (A34JBU70X) (KV-G14K3) |
| ⚠ | 8-738-774-05 | PICTURE TUBE (A51JUH71X) (KV-G21K3) |

**********

ACCESSORIES AND PACKING MATERIALS
**********

| | | |
|---|---|---|
| | 1-417-151-21 | MATCHING TRANSFORMER, ANTENNA |
| | 1-501-730-41 | ANTENNA, TELESCOPIC |
| | 3-701-910-00 | SCREW, SPECIAL (DIA. 3.8X20) (KV-G21K3) |
| | 3-858-003-11 | MANUAL, INSTRUCTION |
| * | 4-054-735-01 | INDIVIDUAL CARTON (KV-G14K3) |
| * | 4-054-710-01 | INDIVIDUAL CARTON (KV-G21K3) |
| * | 4-054-736-01 | CUSHION (UPPER) (ASSY) (KV-G14K3) |
| * | 4-054-711-01 | CUSHION (UPPER) (ASSY) (KV-G21K3) |
| * | 4-054-737-01 | CUSHION (LOWER) (ASSY) (KV-G14K3) |
| * | 4-054-712-01 | CUSHION (LOWER) (ASSY) (KV-G21K3) |
| * | 4-062-162-01 | BAG, PROTECTION (KV-G14K3) |
| * | 4-062-162-11 | BAG, PROTECTION (KV-G21K3) |
| * | 4-063-737-01 | SHEET, RUBBER |
| * | 4-063-785-01 | CASE, UPPER |
| * | 4-063-786-01 | CASE, LOWER |
| | 4-392-003-11 | BAND, HOLD (KV-G21K3) |
| | 4-392-004-11 | CLIP (KV-G21K3) |

**********

REMOTE COMMANDER
**********

| | |
|---|---|
| 1-473-323-11 | REMOTE COMMANDER (RM-870) |

9-965-678-01

Sony Corporation
Display Company
TV Display Business Asia

English
98BM70025-1
Printed in Malaysia
© 1998. 2